

Cota, Cundinamarca, 22 de enero de 2024

Señores

**RAMA JUDICIAL - CONSEJO SUPERIOR DE LA JUDICATURA**

Aten. Ing. Nery Liseth Mosquera Mendoza

Supervisor OC. 116550

Bogotá,

**REFERENCIA: ACTA DE PRUEBAS DE RENDIMIENTO DE LA ORDEN DE COMPRA 116550**

La suscrita **ALIZ ADRIANA AFANADOR GUIZA**, identificada con C.C. No. 53.050.808 de Bogotá, obrando en calidad de Representante Legal de la firma **P&P SYSTEMS COLOMBIA S.A.S**, con Nit. **900.604.590-1**, informa de acuerdo con lo establecido en el Acuerdo Marco de Precios, mediante la presente acta se deja constancia de la realización de las pruebas de rendimiento (Benchmark PC Mark 10) de forma aleatoria al 10% del total de computadores de escritorio, correspondientes a la Orden de Compra 116550.

En resumen, se llevó a cabo pruebas de rendimiento a 113 computadores, superando los umbrales definidos para dichas pruebas. A continuación, se detallan los seriales de los equipos sometidos a estas pruebas:

SERIALES				
8CN34506X3	8CN34507TM	8CN34506XN	8CN34507BC	8CN34506S2
8CN34506YQ	8CN34507VJ	8CN34506Y3	8CN34507CW	8CN34506VR
8CN345082G	8CN34507WX	8CN34506YT	8CN34507DC	8CN345074J
8CN34506N6	8CN34507XK	8CN34506ZK	8CN34507F1	8CN34507B8
8CN34506VX	8CN34507ZX	8CN345070F	8CN34507GX	8CN34507F9
8CN34506ZH	8CN3450804	8CN3450719	8CN34507KY	8CN34507H9
8CN345070D	8CN3450821	8CN345071S	8CN34507LN	8CN34507J1
8CN3450721	8CN345086X	8CN3450725	8CN34507N5	8CN34507KK
8CN345075T	8CN34506M0	8CN345072C	8CN34507P3	8CN34507M6
8CN3450777	8CN34506ML	8CN345072D	8CN34507R6	8CN34507W3
8CN345077Z	8CN34506N1	8CN345072Q	8CN34507RR	8CN34507WK
8CN3450793	8CN34506NM	8CN345072T	8CN34507S5	8CN34507Y0
8CN34507B4	8CN34506PF	8CN3450730	8CN34507T9	8CN345080Q
8CN34507BF	8CN34506Q6	8CN345073J	8CN34507TX	8CN345081C
8CN34507D4	8CN34506R0	8CN345074C	8CN345083M	8CN345081Y
8CN34507F8	8CN34506RM	8CN3450766	8CN3450851	8CN34506P1
8CN34507GP	8CN34506SL	8CN345076H	8CN345088W	8CN34507B1
8CN34507KQ	8CN34506T9	8CN3450778	8CN34506XQ	8CN3450878
8CN34507MR	8CN34506V4	8CN345078J	8CN3450753	8CN34506SN
8CN34507NW	8CN34506WL	8CN345078M	8CN34507Y2	8CN345087C

**P&P SYSTEMS COLOMBIA SAS**

Aut Medellín Km 3.5 Oficina C 72 Terminal Terrestre de Carga

Cota – Cundinamarca

Tel: 601 8415534

gerencia@pypsystems.com

8CN34507PH	8CN34506X9	8CN345078P	8CN34506P8	8CN34506XY
8CN34507RJ	8CN34506XF	8CN345079J	8CN34506QK	8CN34507B0
8CN34507SC	8CN34506XM	8CN345079K		

Cordialmente,



**ALIZ ADRIANA AFANADOR GUIZA**

CC: 53. 050. 808 de Bta

Representante Legal

P&P SYSTEMS COLOMBIA S.A.S

NIT. 900.604.590-1

Email. [licitaciones@pypsystems.com](mailto:licitaciones@pypsystems.com), [gerencia@pypsystems.com](mailto:gerencia@pypsystems.com)

Tel: 601 8415534

Dirección: Auto Medellín km 3.5 Terminal Terrestre de Carga Btá oficina C 72

**P&P SYSTEMS COLOMBIA SAS**

Aut Medellín Km 3.5 Oficina C 72 Terminal Terrestre de Carga

Cota – Cundinamarca

Tel: 601 8415534

[gerencia@pypsystems.com](mailto:gerencia@pypsystems.com)

## PCMark 10

5 093

### Essentials

10 309

Apps Start-up score

14 233

Video Conferencing Score

7 737

Web Browsing Score

9 951

### Productivity

5 724

Spreadsheets Score

4 484

Writing Score

7 308

### Digital Content Creation

6 072

Photo Editing Score

7 149

Rendering and Visualization Score

4 769

Video Editing Score

6 593

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-17 08:05:42.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

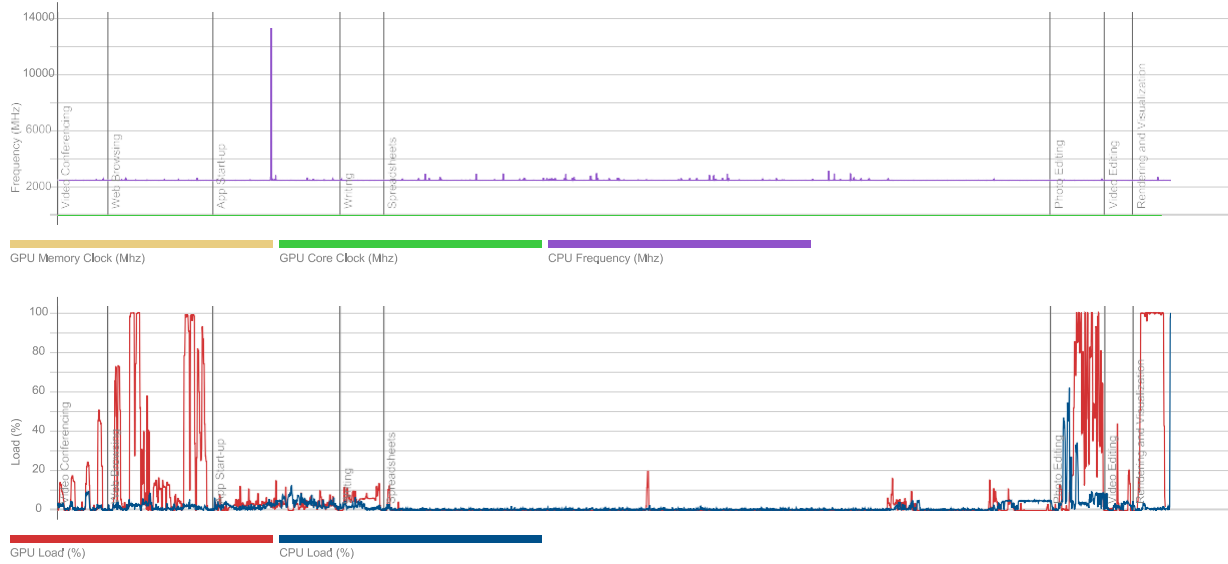
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 099

### Essentials

10 315

Apps Start-up score

14 239

Video Conferencing Score

7 743

Web Browsing Score

9 957

### Productivity

5 730

Spreadsheets Score

4 490

Writing Score

7 314

### Digital Content Creation

6 078

Photo Editing Score

7 155

Rendering and Visualization Score

4 775

Video Editing Score

6 575

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-18 10:45:12.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

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<b>Motherboard</b>	HP 8ACE
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<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

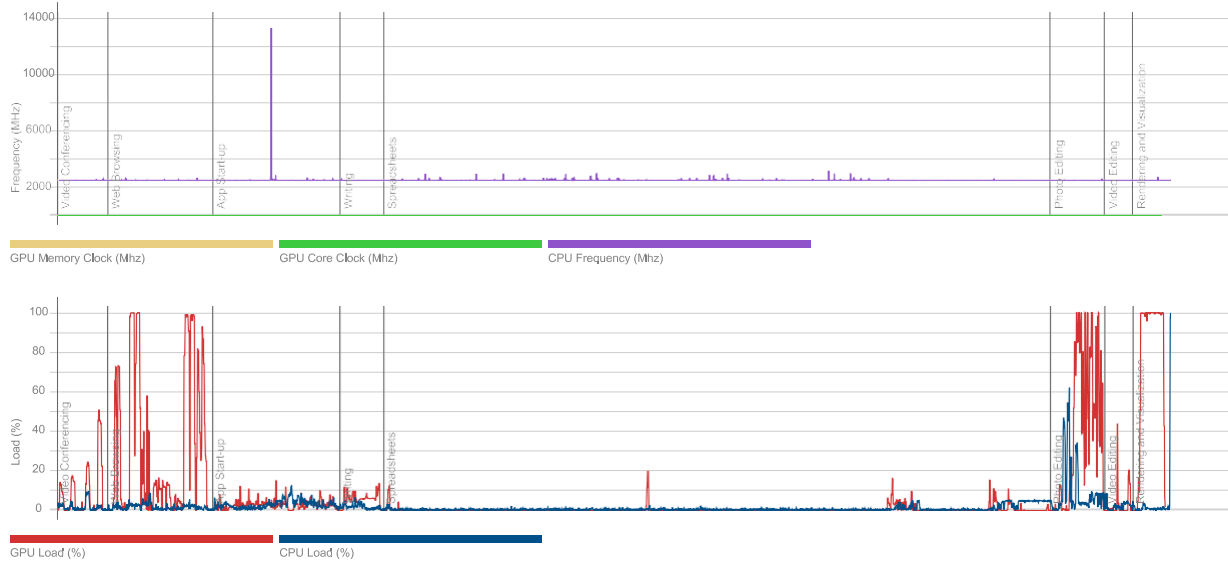
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 105

### Essentials

10 321

Apps Start-up score

14 245

Video Conferencing Score

7 749

Web Browsing Score

9 963

### Productivity

5 736

Spreadsheets Score

4 496

Writing Score

7 320

### Digital Content Creation

6 084

Photo Editing Score

7 161

Rendering and Visualization Score

4 781

Video Editing Score

6 581

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-19 14:54:47.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

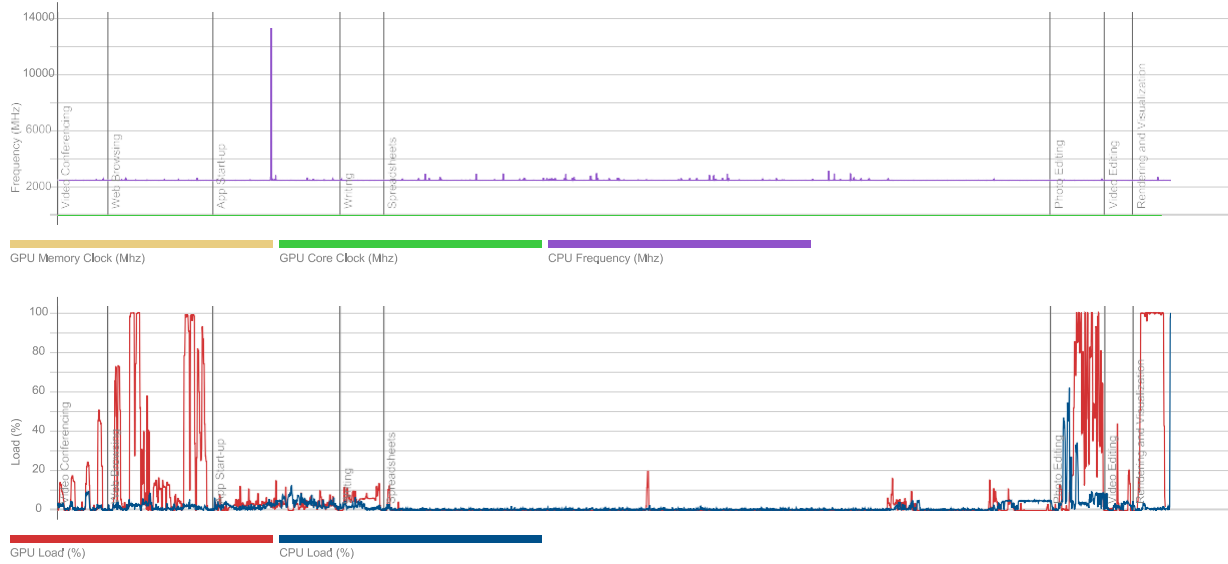
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 111

### Essentials

10 327

Apps Start-up score

14 251

Video Conferencing Score

7 755

Web Browsing Score

9 993

### Productivity

5 742

Spreadsheets Score

4 502

Writing Score

7 326

### Digital Content Creation

6 090

Photo Editing Score

7 167

Rendering and Visualization Score

4 787

Video Editing Score

6 587

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-22 09:02:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

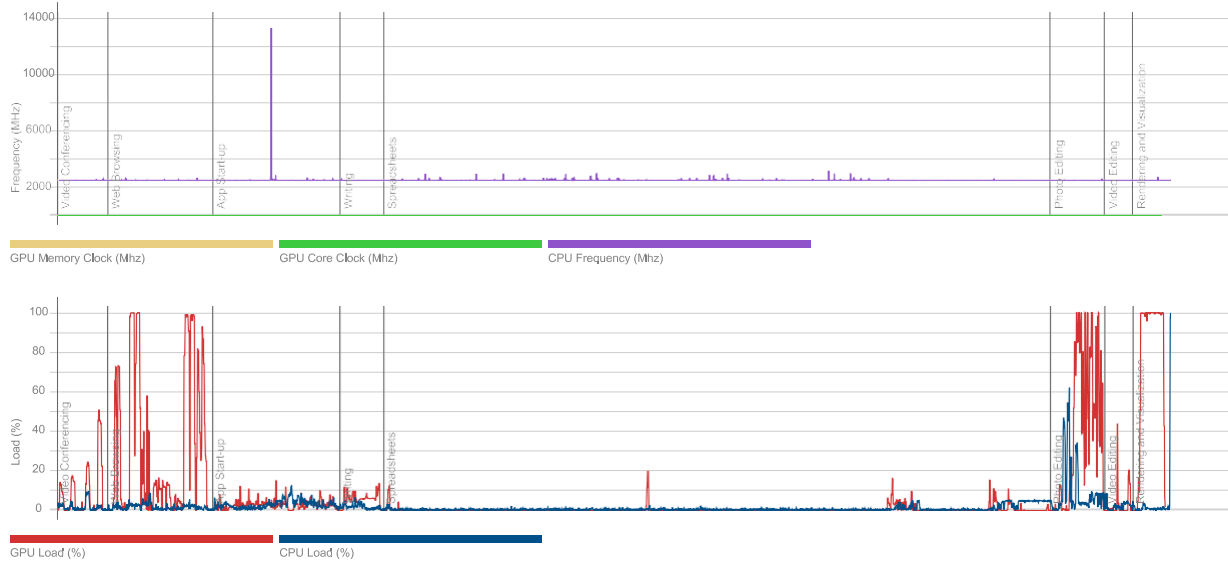
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 619

### Essentials

10 640

Apps Start-up score

15 383

Video Conferencing Score

7 785

Web Browsing Score

10 060

### Productivity

7 435

Spreadsheets Score

7 362

Writing Score

7 509

### Digital Content Creation

6 086

Photo Editing Score

7 124

Rendering and Visualization Score

4 750

Video Editing Score

6 662

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 14:44:57.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

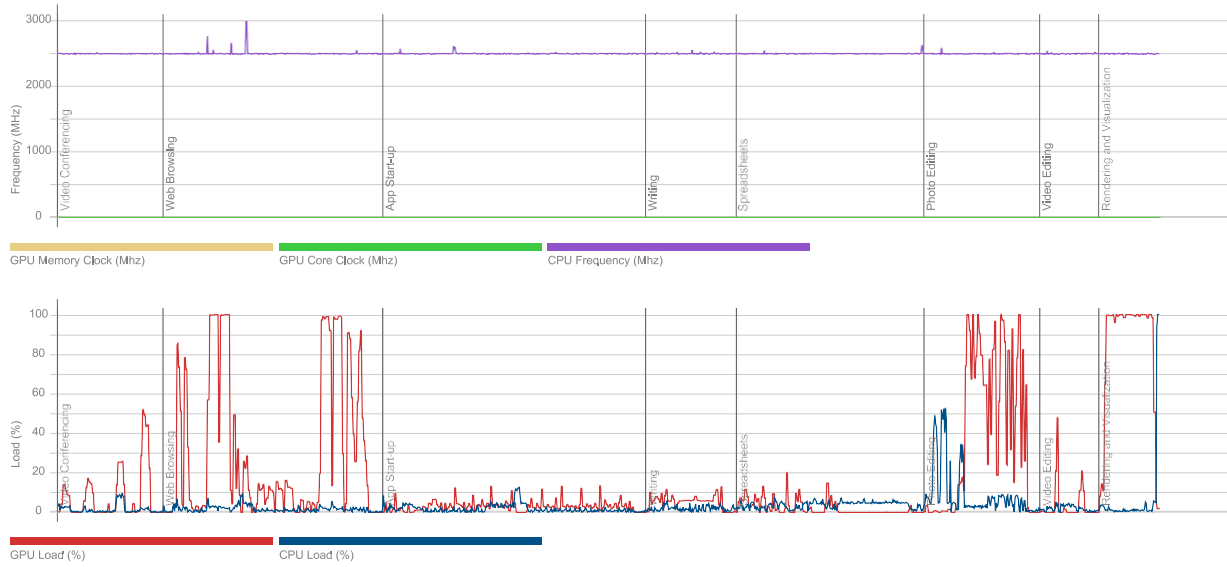
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 117

### Essentials

10 333

Apps Start-up score

14 257

Video Conferencing Score

7 761

Web Browsing Score

9 975

### Productivity

5 748

Spreadsheets Score

4 508

Writing Score

7 332

### Digital Content Creation

6 096

Photo Editing Score

7 173

Rendering and Visualization Score

4 793

Video Editing Score

6 593

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-18 11:49:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

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### General

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<b>System Drive Model</b>	
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### Processor

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<b>Package</b>	

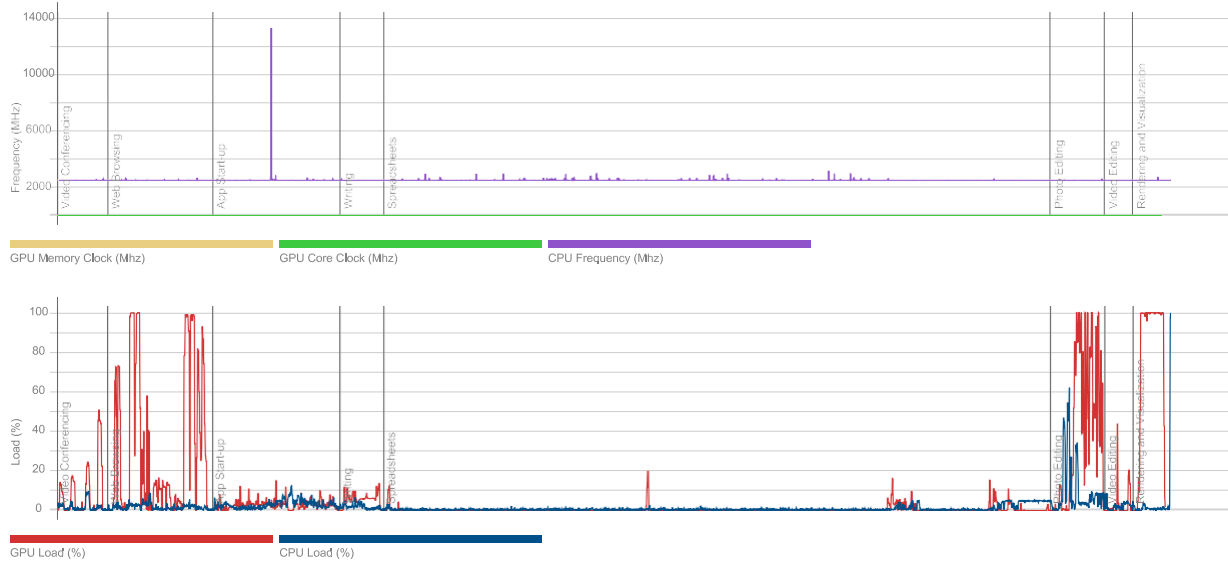
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
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<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
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<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 123

### Essentials

10 339

Apps Start-up score

14 263

Video Conferencing Score

7 767

Web Browsing Score

9 981

### Productivity

5 754

Spreadsheets Score

4 514

Writing Score

7 338

### Digital Content Creation

6 102

Photo Editing Score

7 179

Rendering and Visualization Score

4 799

Video Editing Score

6 599

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-178 14:32:57.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

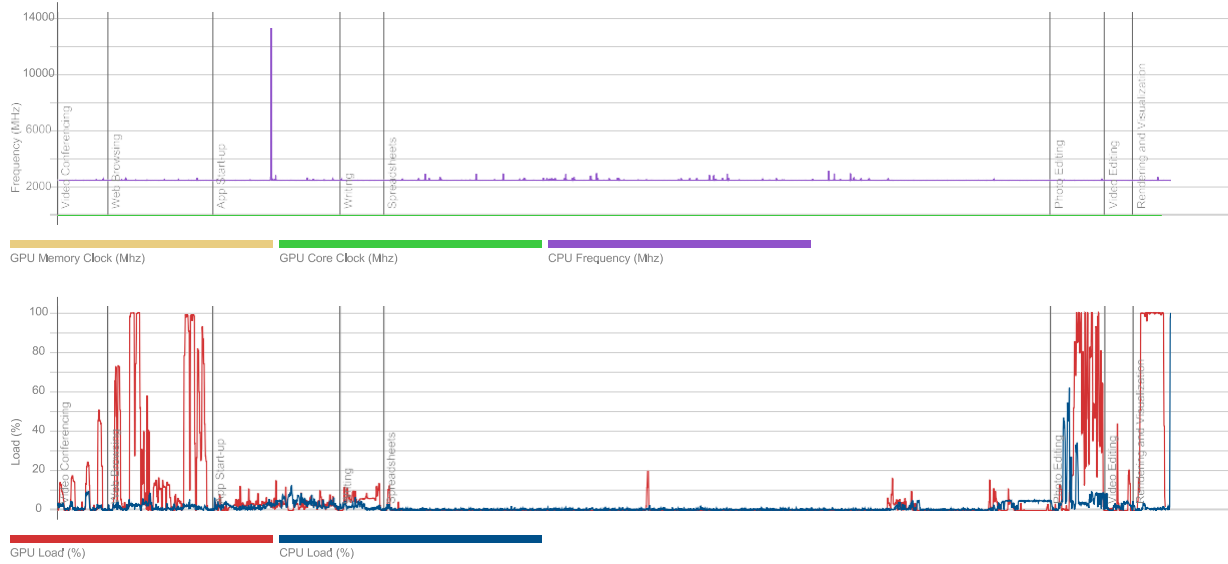
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 522

### Essentials

10 666

Apps Start-up score

15 345

Video Conferencing Score

7 890

Web Browsing Score

10 024

### Productivity

6 929

Spreadsheets Score

6 702

Writing Score

7 164

### Digital Content Creation

6 179

Photo Editing Score

7 437

Rendering and Visualization Score

4 805

Video Editing Score

6 603

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-17 08:17:59.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

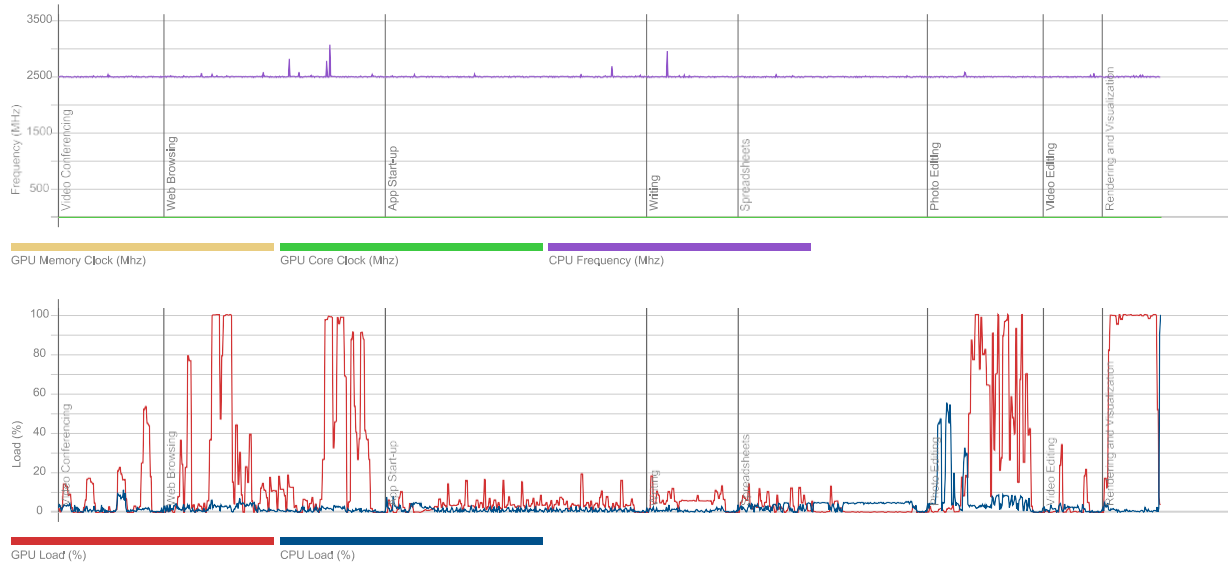
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 528

### Essentials

10 672

Apps Start-up score

15 351

Video Conferencing Score

7 896

Web Browsing Score

10 030

### Productivity

6 935

Spreadsheets Score

6 708

Writing Score

7 170

### Digital Content Creation

6 185

Photo Editing Score

7 443

Rendering and Visualization Score

4 811

Video Editing Score

6 609

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-18 09:03:17.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

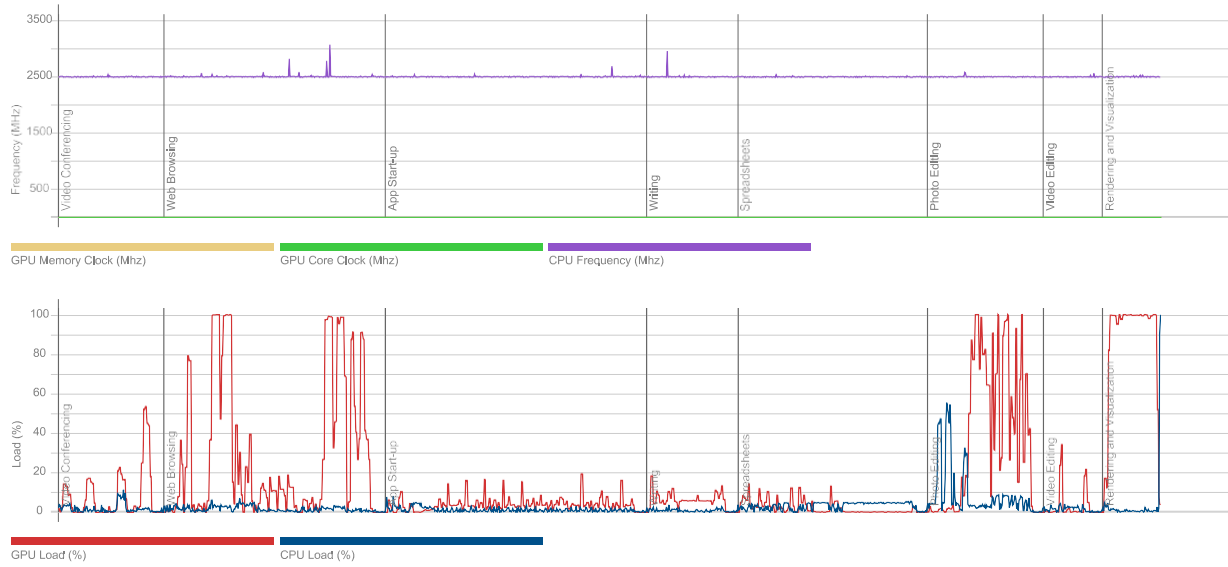
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 534

### Essentials

10 678

Apps Start-up score

15 357

Video Conferencing Score

7 902

Web Browsing Score

10 036

### Productivity

6 941

Spreadsheets Score

6 714

Writing Score

7 176

### Digital Content Creation

6 191

Photo Editing Score

7 449

Rendering and Visualization Score

4 817

Video Editing Score

6 615

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-19 11:39:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

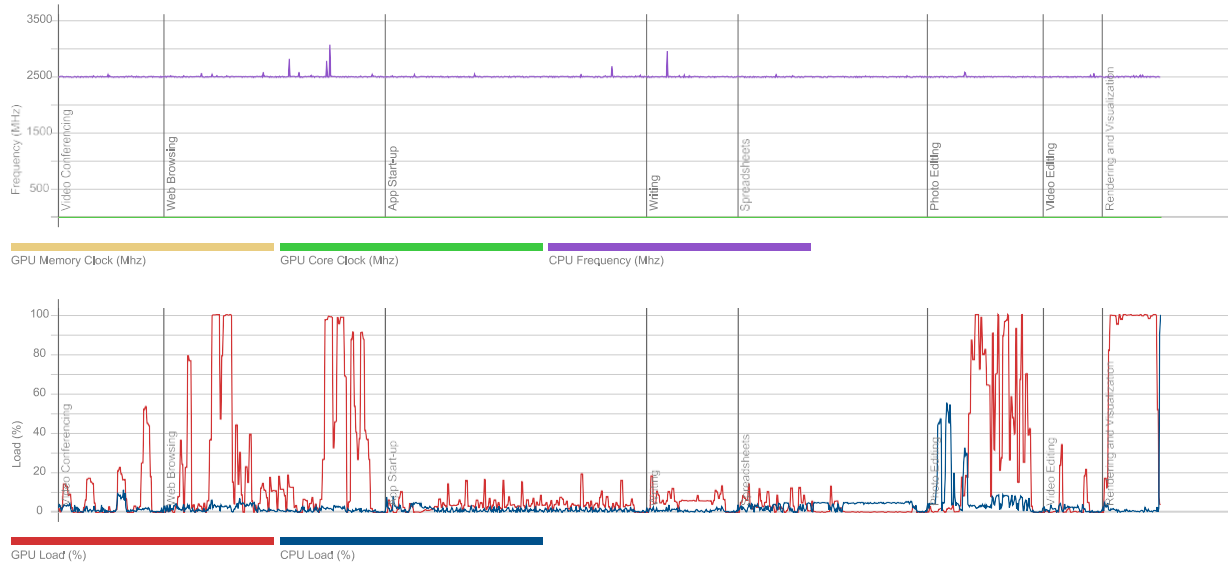
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 540

### Essentials

10 684

Apps Start-up score

15 363

Video Conferencing Score

7 908

Web Browsing Score

10 042

### Productivity

6 947

Spreadsheets Score

6 720

Writing Score

7 182

### Digital Content Creation

6 197

Photo Editing Score

7 455

Rendering and Visualization Score

4 823

Video Editing Score

6 621

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-22 13:42:43.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

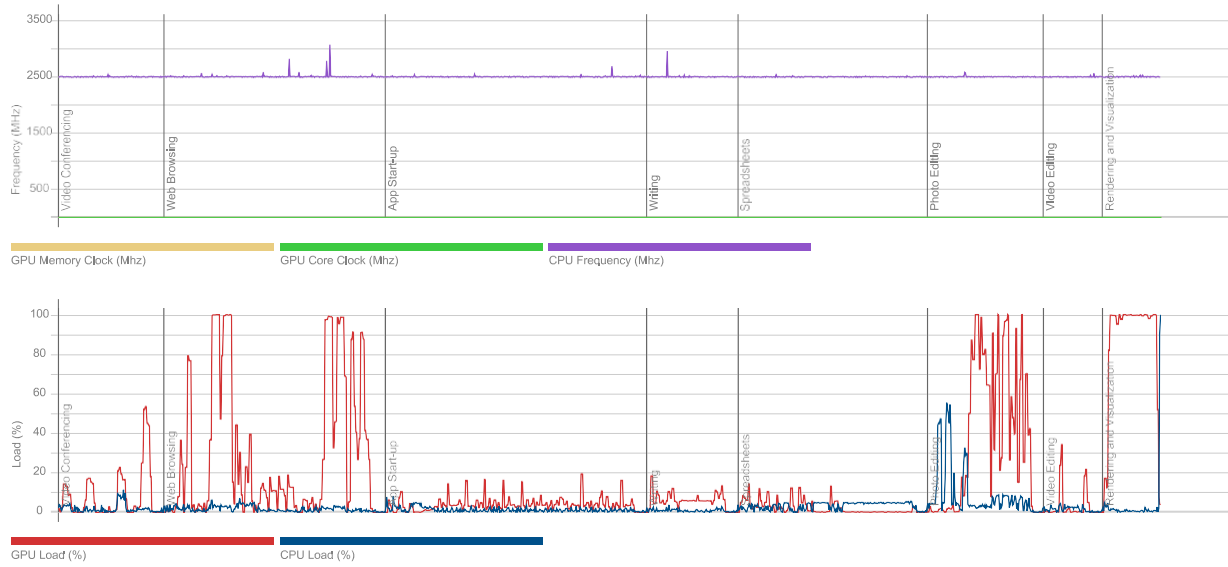
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 546

### Essentials

10 690

Apps Start-up score

15 369

Video Conferencing Score

7 914

Web Browsing Score

10 048

### Productivity

6 953

Spreadsheets Score

6 726

Writing Score

7 188

### Digital Content Creation

6 203

Photo Editing Score

7 461

Rendering and Visualization Score

4 829

Video Editing Score

6 627

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-17 17:35:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

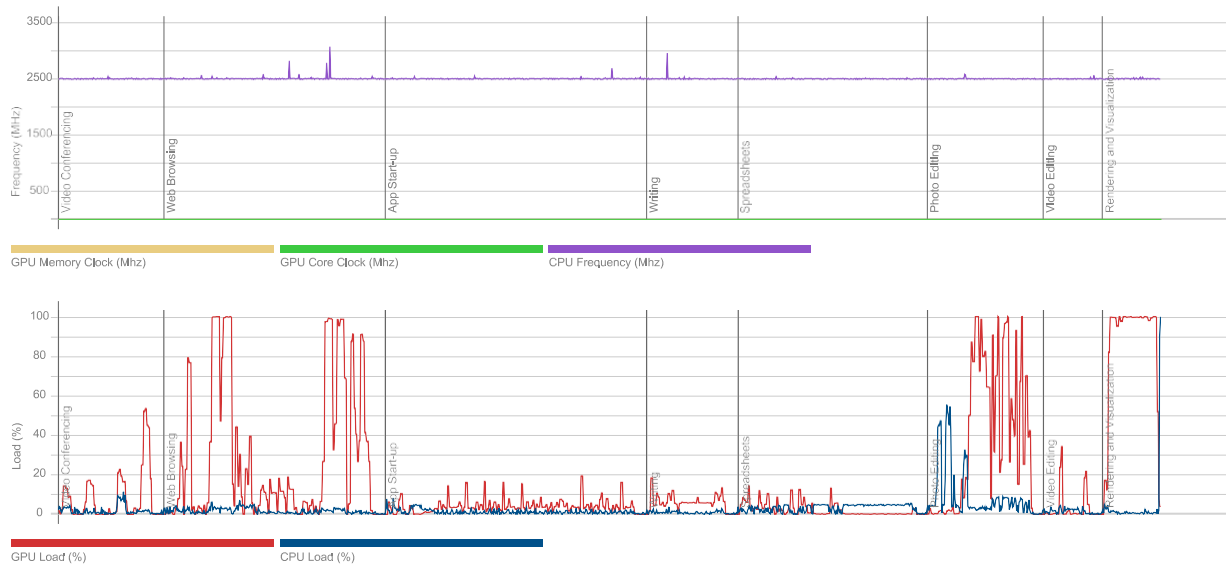
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 552

### Essentials

10 696

Apps Start-up score

15 375

Video Conferencing Score

7 920

Web Browsing Score

10 054

### Productivity

6 959

Spreadsheets Score

6 732

Writing Score

7 194

### Digital Content Creation

6 209

Photo Editing Score

7 467

Rendering and Visualization Score

4 835

Video Editing Score

6 633

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-18 09:17:235.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

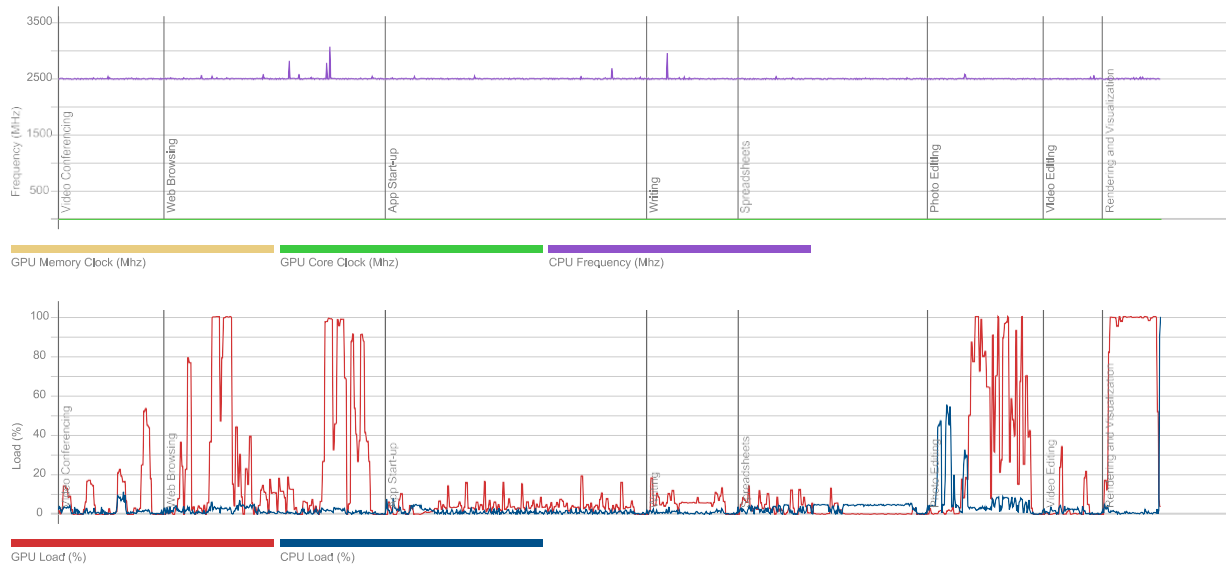
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 524

### Essentials

10 686

Apps Start-up score

15 930

Video Conferencing Score

7 968

Web Browsing Score

9 615

### Productivity

7 149

Spreadsheets Score

7 277

Writing Score

7 024

### Digital Content Creation

5 996

Photo Editing Score

7 360

Rendering and Visualization Score

4 541

Video Editing Score

6 451

### Validation

VALID

### Run information

Result name

USER\_2024-01-18 09:35:23.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

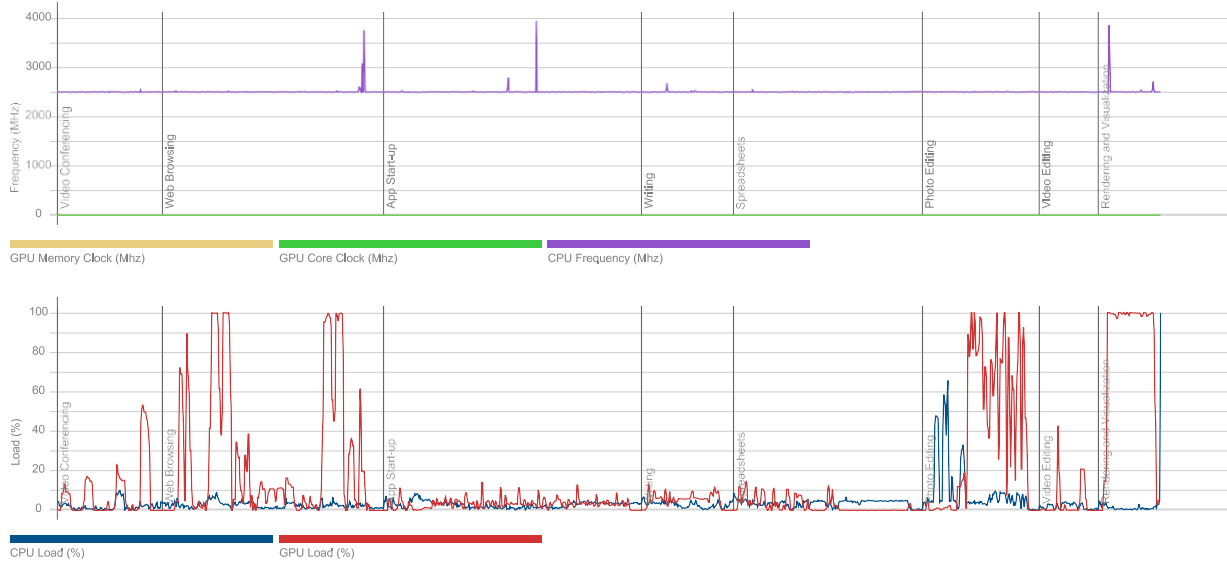
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 518

### Essentials

10 680

Apps Start-up score

15 924

Video Conferencing Score

7 962

Web Browsing Score

9 609

### Productivity

7 143

Spreadsheets Score

7 271

Writing Score

7 018

### Digital Content Creation

5 990

Photo Editing Score

7 354

Rendering and Visualization Score

4 535

Video Editing Score

6 445

### Validation

VALID

### Run information

Result name

USER\_2024-01-19 11:47:28.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

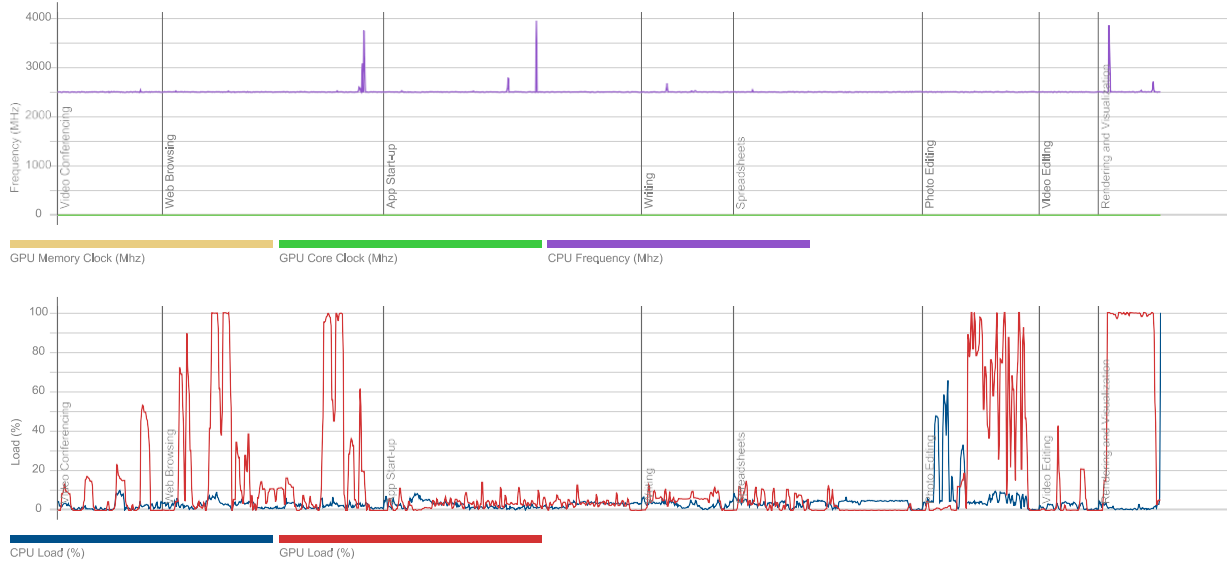
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 512

### Essentials

10 674

Apps Start-up score

15 918

Video Conferencing Score

7 956

Web Browsing Score

9 603

### Productivity

7 137

Spreadsheets Score

7 265

Writing Score

7 012

### Digital Content Creation

5 984

Photo Editing Score

7 348

Rendering and Visualization Score

4 529

Video Editing Score

6 439

### Validation

VALID

### Run information

Result name

USER\_2024-01-22 09:15:28.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

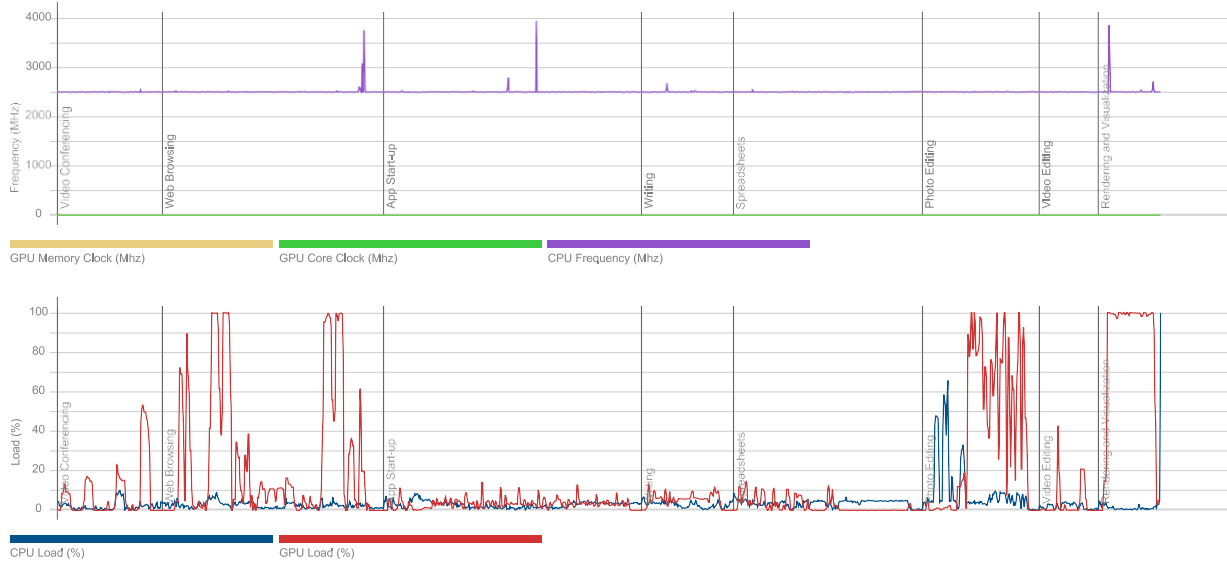
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 506

### Essentials

10 668

Apps Start-up score

15 912

Video Conferencing Score

7 950

Web Browsing Score

9 597

### Productivity

7 131

Spreadsheets Score

7 259

Writing Score

7 006

### Digital Content Creation

5 978

Photo Editing Score

7 342

Rendering and Visualization Score

4 523

Video Editing Score

6 433

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 08:36:48.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

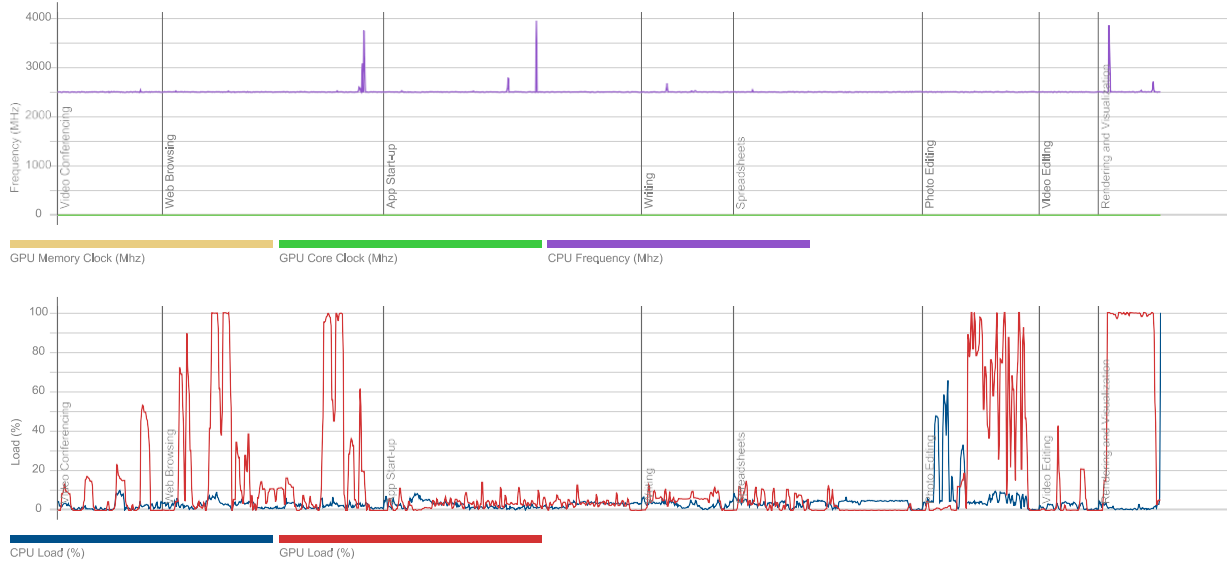
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 500

### Essentials

10 662

Apps Start-up score

15 906

Video Conferencing Score

7 944

Web Browsing Score

9 591

### Productivity

7 125

Spreadsheets Score

7 253

Writing Score

7 000

### Digital Content Creation

5 728

Photo Editing Score

7 336

Rendering and Visualization Score

4 517

Video Editing Score

6 427

### Validation

VALID

### Run information

Result name

USER\_2024-01-18 09:47:13.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

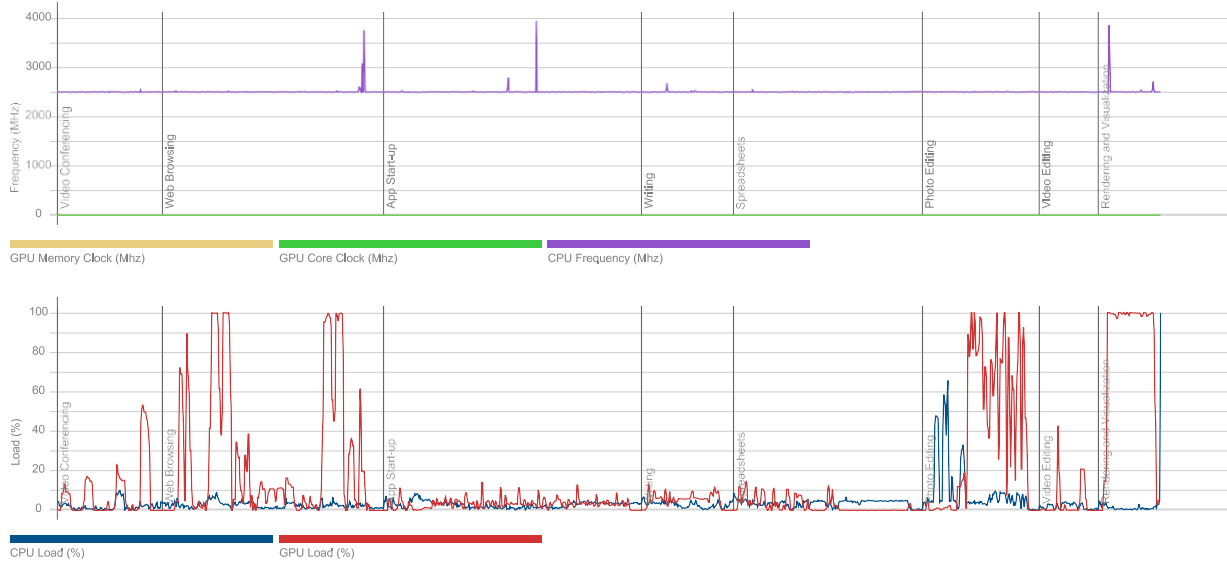
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 494

### Essentials

10 656

Apps Start-up score

15 900

Video Conferencing Score

7 938

Web Browsing Score

9 585

### Productivity

7 119

Spreadsheets Score

7 247

Writing Score

6 994

### Digital Content Creation

5 966

Photo Editing Score

7 330

Rendering and Visualization Score

4 511

Video Editing Score

6 421

### Validation

VALID

### Run information

Result name

USER\_2024-01-19 13:02:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

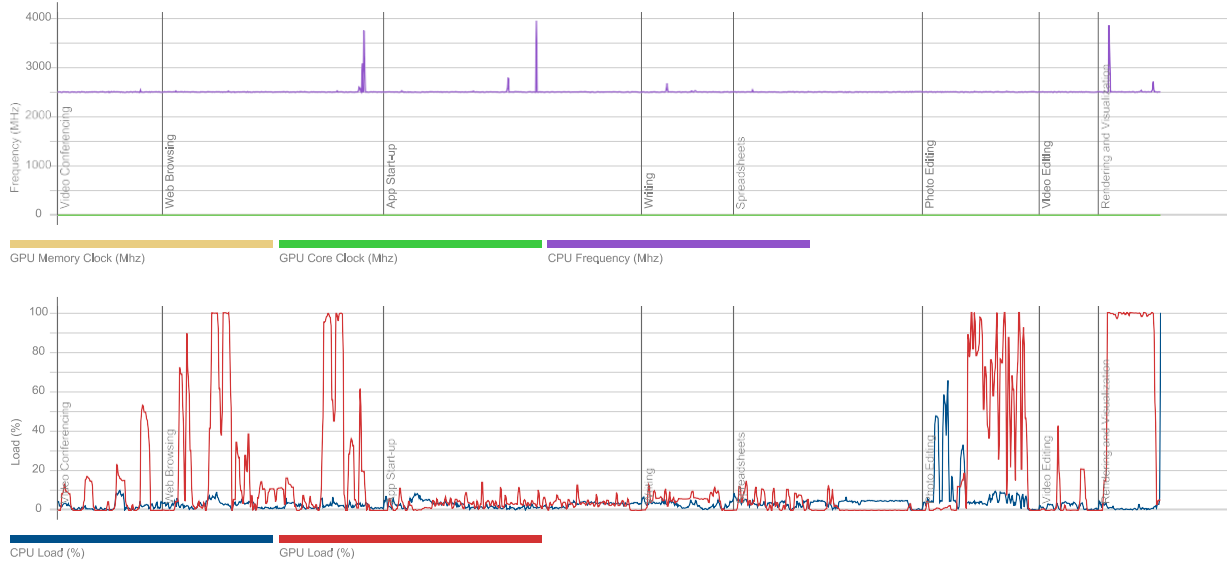
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 530

### Essentials

10 467

Apps Start-up score

14 842

Video Conferencing Score

7 703

Web Browsing Score

10 030

### Productivity

7 244

Spreadsheets Score

7 351

Writing Score

7 139

### Digital Content Creation

6 060

Photo Editing Score

7 129

Rendering and Visualization Score

4 713

Video Editing Score

6 625

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-18 09:47:30.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 524

### Essentials

10 461

Apps Start-up score

14 836

Video Conferencing Score

7 697

Web Browsing Score

10 024

### Productivity

7 238

Spreadsheets Score

7 345

Writing Score

7 133

### Digital Content Creation

6 054

Photo Editing Score

7 123

Rendering and Visualization Score

4 707

Video Editing Score

6 619

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-19 13:19:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

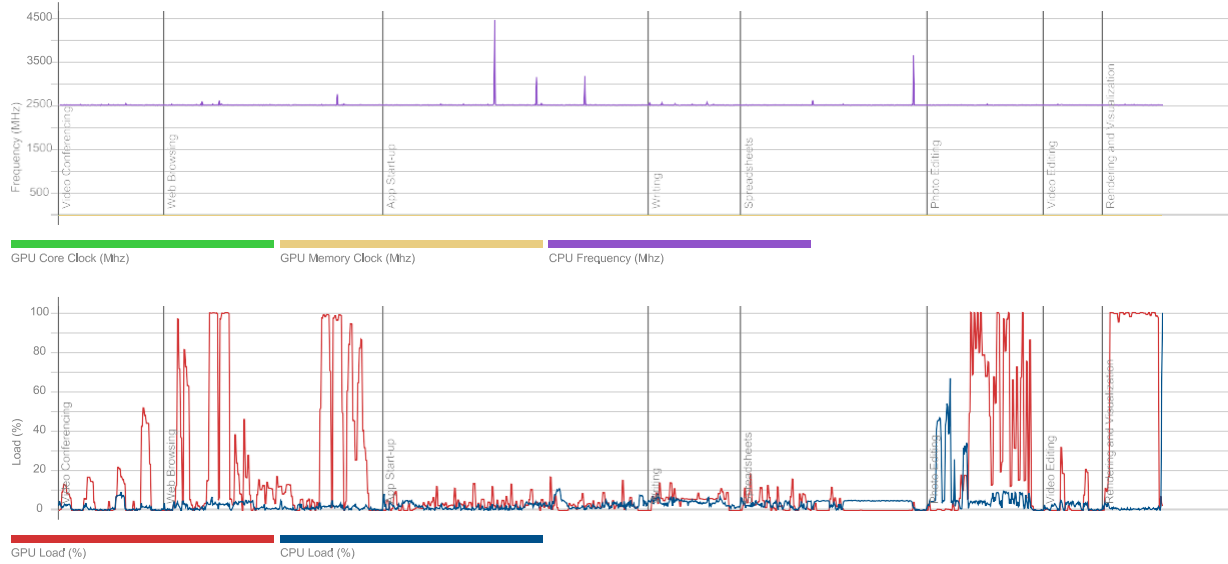
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 639

### Essentials

10 799

Apps Start-up score

16 222

Video Conferencing Score

7 719

Web Browsing Score

10 060

### Productivity

7 366

Spreadsheets Score

7 379

Writing Score

7 355

### Digital Content Creation

6 119

Photo Editing Score

7 218

Rendering and Visualization Score

4 739

Video Editing Score

6 699

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-17 16:15:20.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

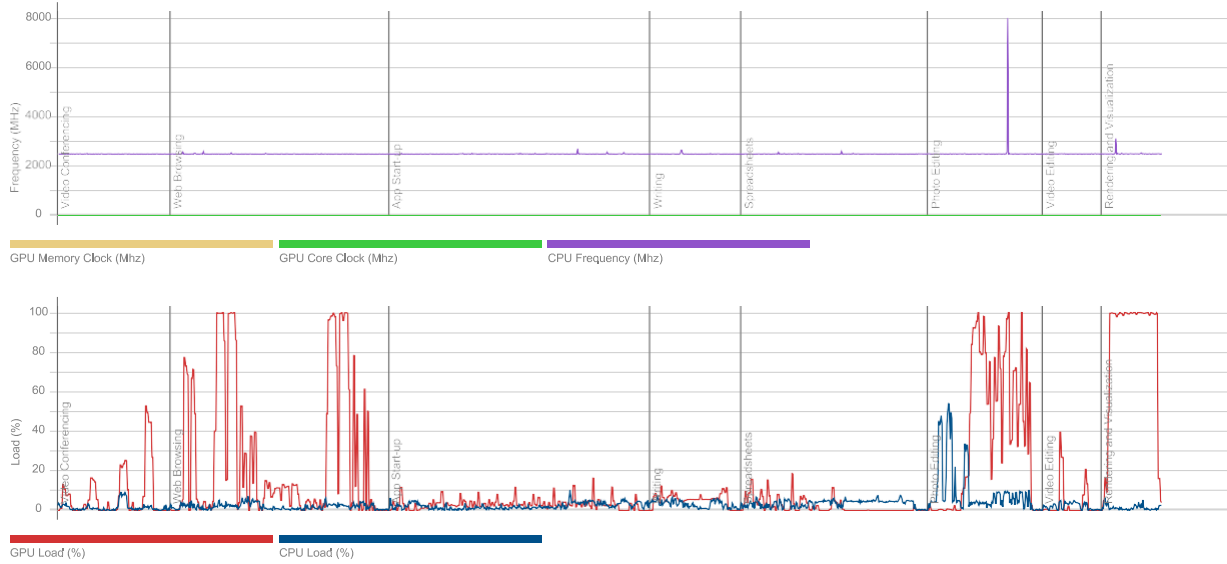
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 087

### Essentials

10 303

Apps Start-up score

14 227

Video Conferencing Score

7 731

Web Browsing Score

9 945

### Productivity

5 718

Spreadsheets Score

4 478

Writing Score

7 302

### Digital Content Creation

6 066

Photo Editing Score

7 143

Rendering and Visualization Score

4 763

Video Editing Score

6 563

### Validation

VALID

### Run information

Result name

DESKTOP-2VREA6M\_2024-01-17 17:35:42.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

47 m 34 s

Id

da8832d9-5f76-4079-a838-f4e4ac7fcef7

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	13252 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

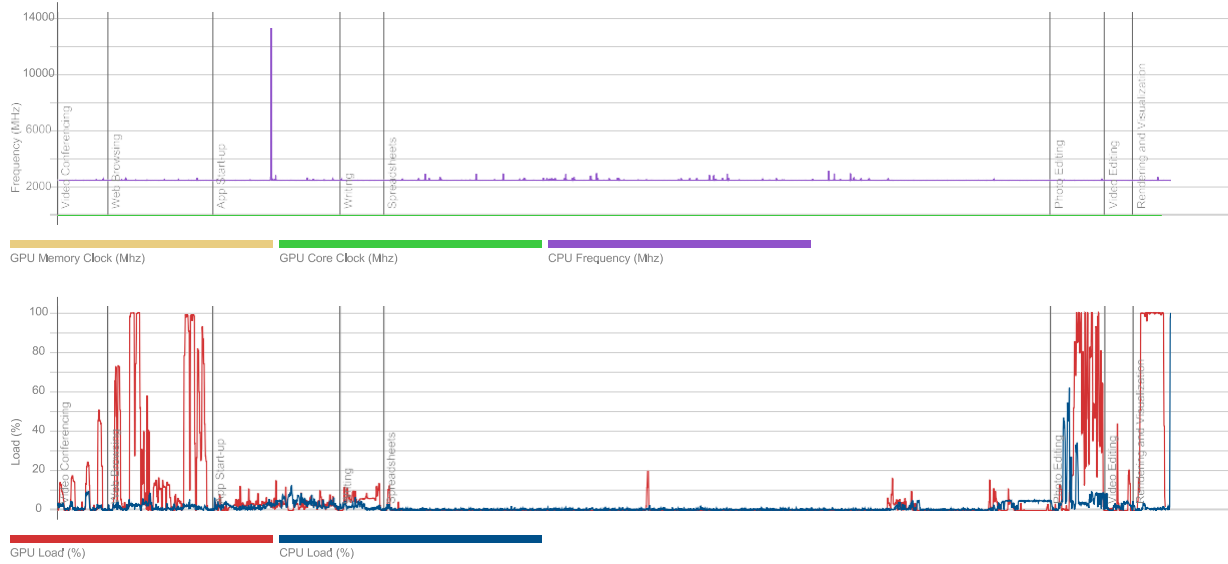
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 518

### Essentials

10 455

Apps Start-up score

14 830

Video Conferencing Score

7 691

Web Browsing Score

10 018

### Productivity

7 232

Spreadsheets Score

7 339

Writing Score

7 127

### Digital Content Creation

6 048

Photo Editing Score

7 117

Rendering and Visualization Score

4 701

Video Editing Score

6 613

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-22 09:32:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 512

### Essentials

10 449

Apps Start-up score

14 824

Video Conferencing Score

7 685

Web Browsing Score

10 012

### Productivity

7 226

Spreadsheets Score

7 333

Writing Score

7 1221

### Digital Content Creation

6 042

Photo Editing Score

7 111

Rendering and Visualization Score

4 695

Video Editing Score

6 607

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-17 09:07:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

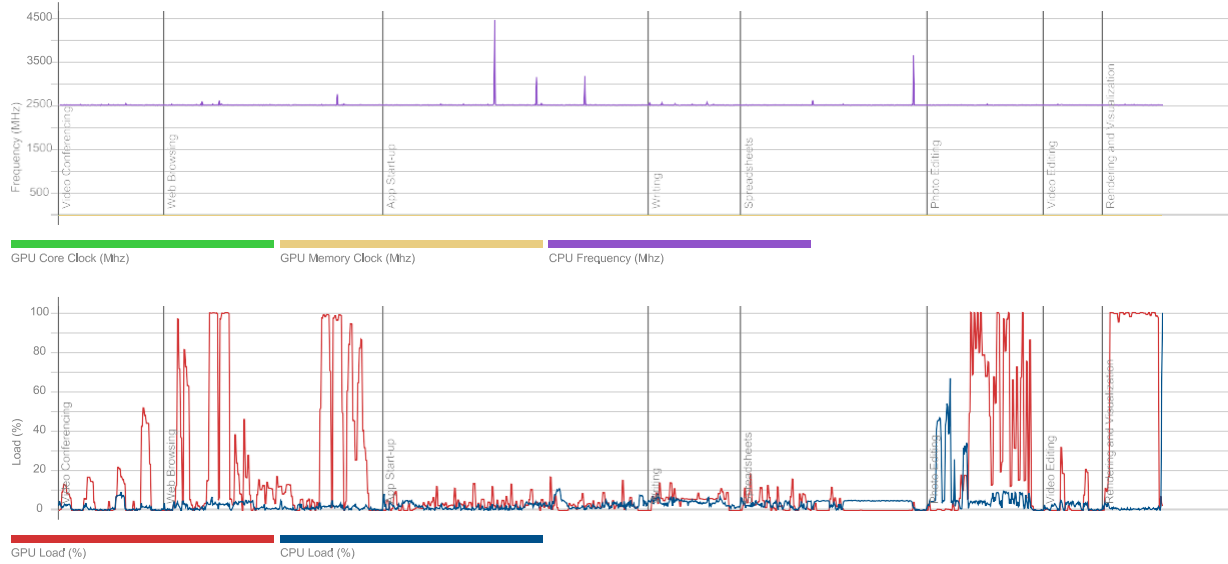
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 506

### Essentials

10 443

Apps Start-up score

14 818

Video Conferencing Score

7 679

Web Browsing Score

10 006

### Productivity

7 220

Spreadsheets Score

7 327

Writing Score

7 115

### Digital Content Creation

6 036

Photo Editing Score

7 105

Rendering and Visualization Score

4 689

Video Editing Score

6 601

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-18 10:06:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 500

### Essentials

10 437

Apps Start-up score

14 812

Video Conferencing Score

7 673

Web Browsing Score

10 000

### Productivity

7 214

Spreadsheets Score

7 321

Writing Score

7 109

### Digital Content Creation

6 030

Photo Editing Score

7 099

Rendering and Visualization Score

4 683

Video Editing Score

6 595

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-19 13:33:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

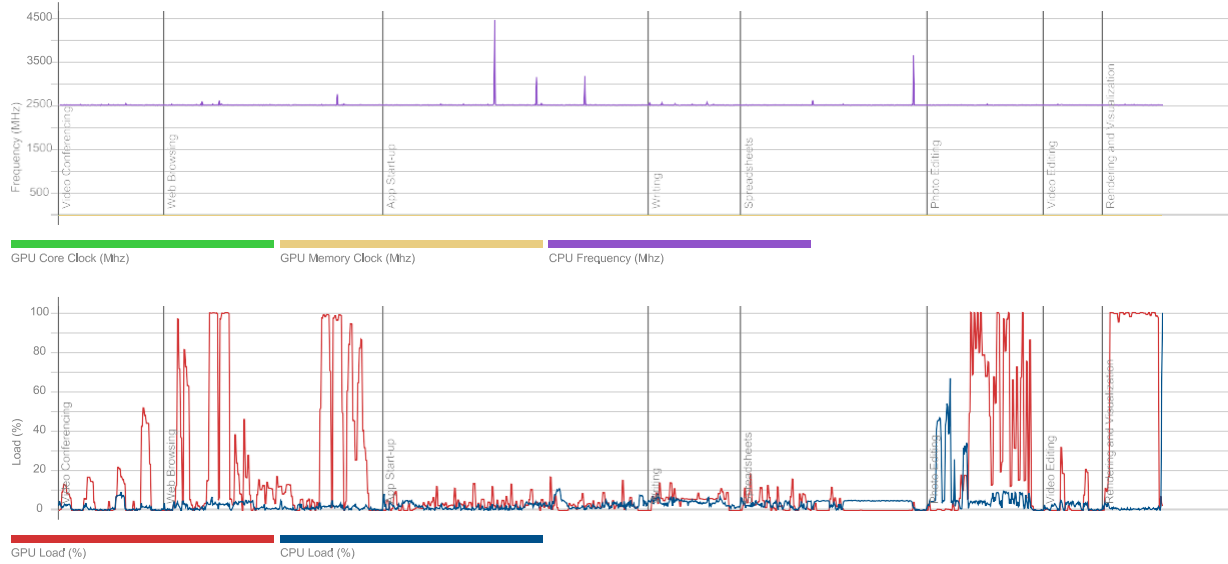
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 539

### Essentials

10 497

Apps Start-up score

14 718

Video Conferencing Score

7 785

Web Browsing Score

10 096

### Productivity

7 403

Spreadsheets Score

7 451

Writing Score

7 356

### Digital Content Creation

5 940

Photo Editing Score

7 101

Rendering and Visualization Score

4 768

Video Editing Score

6 193

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-19 08:03:19.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

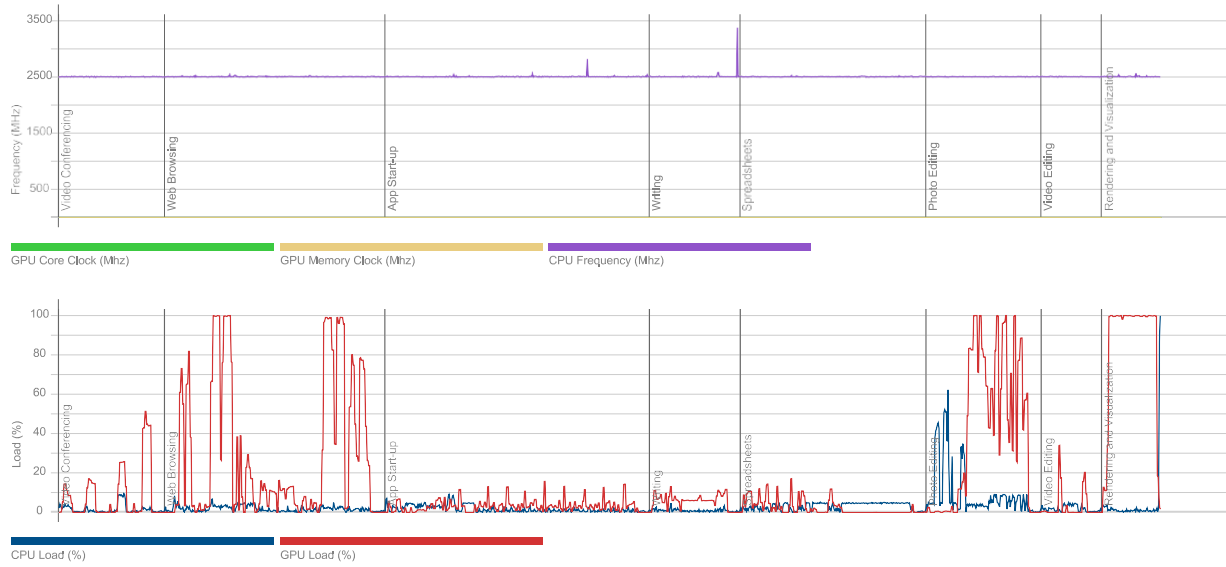
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 533

### Essentials

10 491

Apps Start-up score

14 712

Video Conferencing Score

7 779

Web Browsing Score

10 090

### Productivity

7 397

Spreadsheets Score

7 445

Writing Score

7 350

### Digital Content Creation

5 934

Photo Editing Score

7 095

Rendering and Visualization Score

4 762

Video Editing Score

6 187

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-22 08:07:15.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

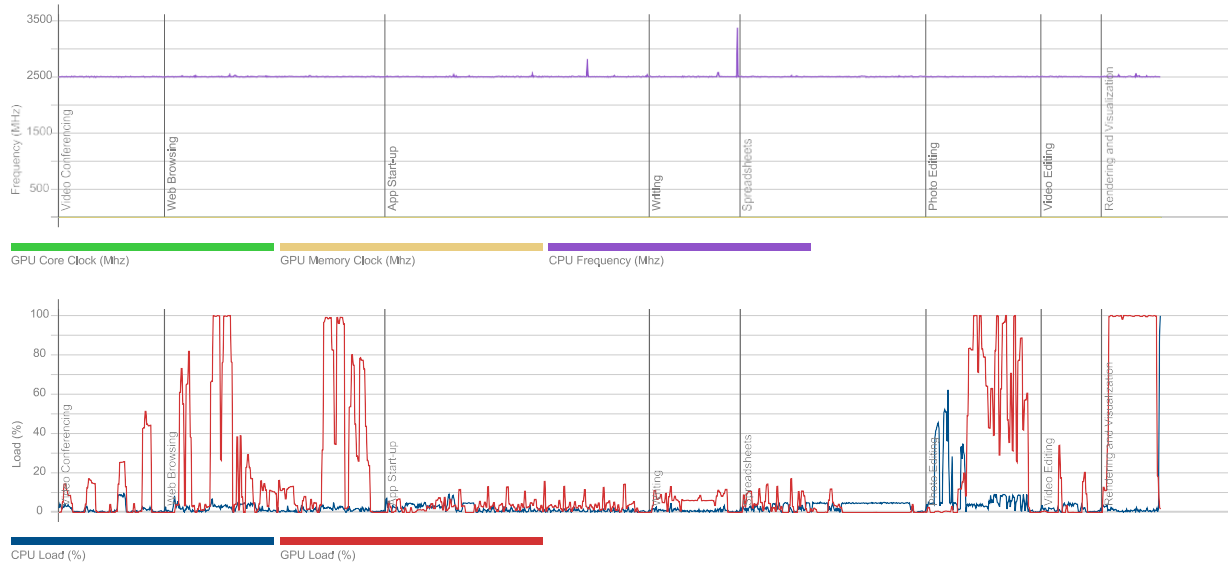
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 527

### Essentials

10 485

Apps Start-up score

14 706

Video Conferencing Score

7 773

Web Browsing Score

10 084

### Productivity

7 391

Spreadsheets Score

7 439

Writing Score

7 344

### Digital Content Creation

5 928

Photo Editing Score

7 089

Rendering and Visualization Score

4 756

Video Editing Score

6 181

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-17 09:12:24.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

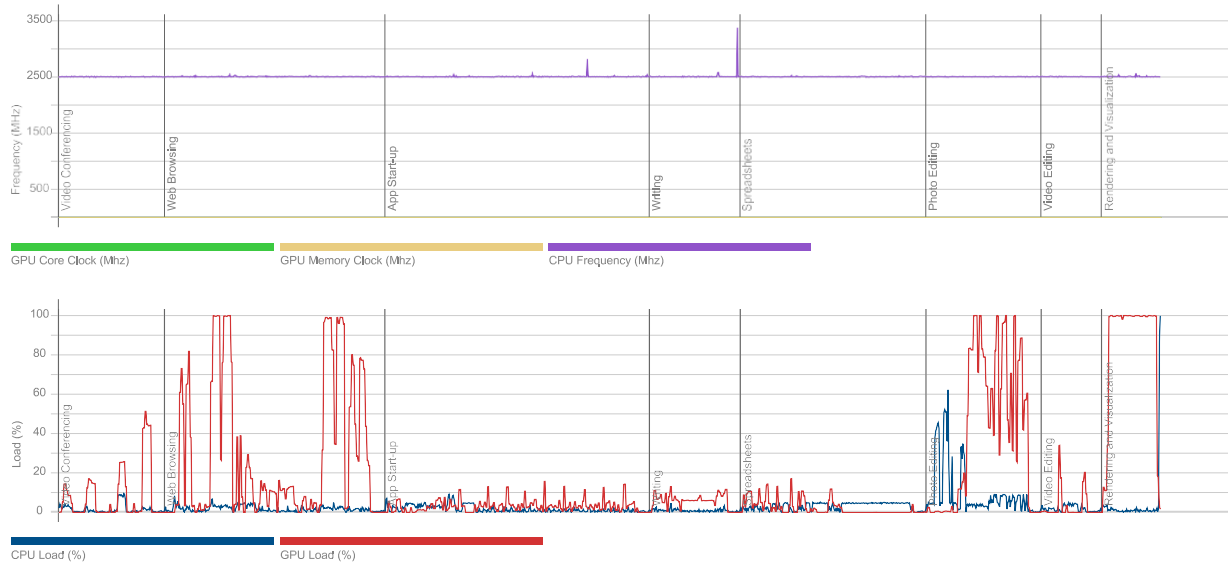
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 521

### Essentials

10 479

Apps Start-up score

14 700

Video Conferencing Score

7 767

Web Browsing Score

10 078

### Productivity

7 385

Spreadsheets Score

7 433

Writing Score

7 338

### Digital Content Creation

5 922

Photo Editing Score

7 083

Rendering and Visualization Score

4 750

Video Editing Score

6 175

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-18 10:14:44.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

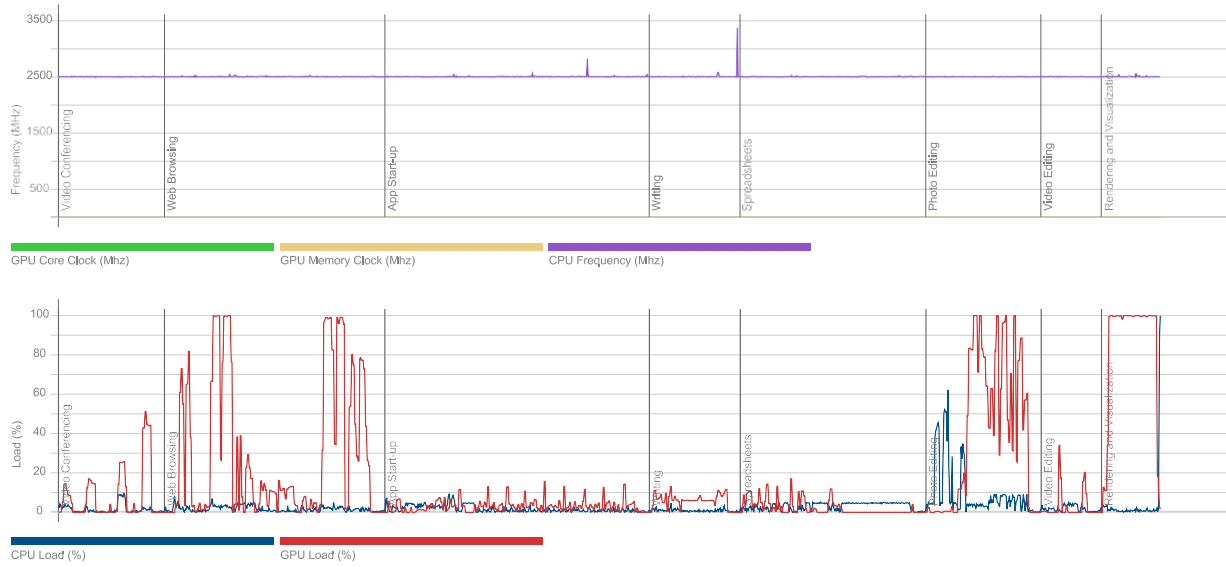
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 594

### Essentials

10 653

Apps Start-up score

15 403

Video Conferencing Score

7 810

Web Browsing Score

10 052

### Productivity

7 408

Spreadsheets Score

7 343

Writing Score

7 475

### Digital Content Creation

6 019

Photo Editing Score

7 035

Rendering and Visualization Score

4 709

Video Editing Score

6 585

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-17 16:39:38.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 593

### Essentials

10 696

Apps Start-up score

15 406

Video Conferencing Score

7 896

Web Browsing Score

10 064

### Productivity

7 211

Spreadsheets Score

7 289

Writing Score

7 134

### Digital Content Creation

6 133

Photo Editing Score

7 164

Rendering and Visualization Score

4 808

Video Editing Score

6 701

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-19 15:09:25.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 599

### Essentials

10 702

Apps Start-up score

15 412

Video Conferencing Score

7 902

Web Browsing Score

10 070

### Productivity

7 217

Spreadsheets Score

7 295

Writing Score

7 140

### Digital Content Creation

6 139

Photo Editing Score

7 170

Rendering and Visualization Score

4 814

Video Editing Score

6 707

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-22 10:47:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 587

### Essentials

10 571

Apps Start-up score

14 891

Video Conferencing Score

7 841

Web Browsing Score

10 119

### Productivity

7 345

Spreadsheets Score

7 372

Writing Score

7 319

### Digital Content Creation

6 092

Photo Editing Score

7 166

Rendering and Visualization Score

4 731

Video Editing Score

6 672

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-18 14:06:34.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 593

### Essentials

10 577

Apps Start-up score

14 897

Video Conferencing Score

7 847

Web Browsing Score

10 125

### Productivity

7 351

Spreadsheets Score

7 378

Writing Score

7 325

### Digital Content Creation

6 098

Photo Editing Score

7 172

Rendering and Visualization Score

4 737

Video Editing Score

6 678

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-19 15:15:34.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 599

### Essentials

10 583

Apps Start-up score

14 903

Video Conferencing Score

7 853

Web Browsing Score

10 131

### Productivity

7 357

Spreadsheets Score

7 384

Writing Score

7 331

### Digital Content Creation

6 104

Photo Editing Score

7 178

Rendering and Visualization Score

4 743

Video Editing Score

6 684

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-22 11:02:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 605

### Essentials

10 589

Apps Start-up score

14 909

Video Conferencing Score

7 859

Web Browsing Score

10 137

### Productivity

7 363

Spreadsheets Score

7 390

Writing Score

7 337

### Digital Content Creation

6 110

Photo Editing Score

7 184

Rendering and Visualization Score

4 749

Video Editing Score

6 690

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-17 11:19:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

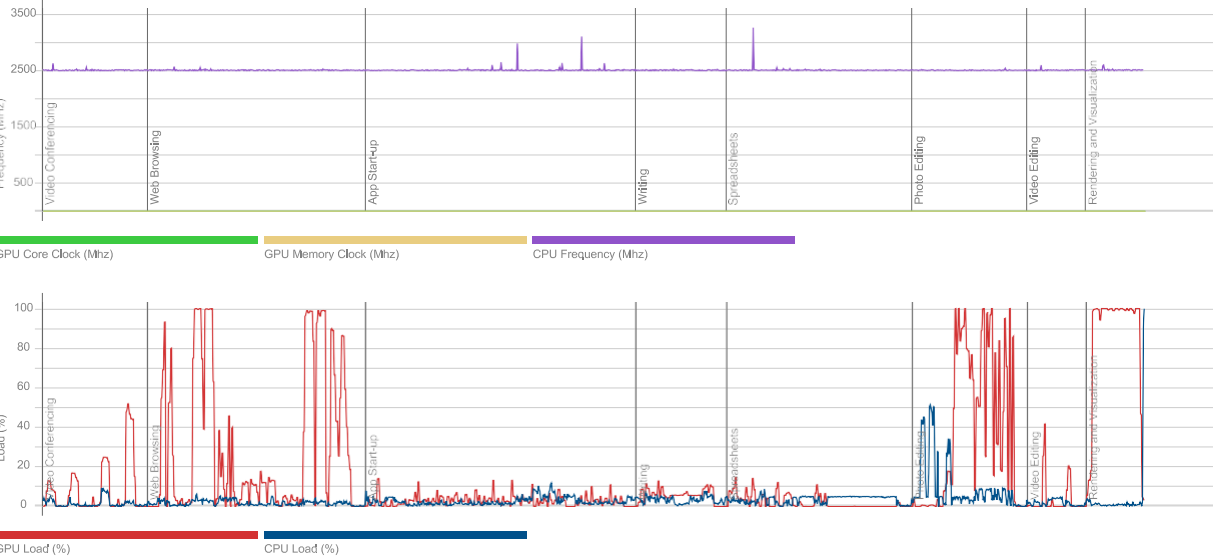
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 611

### Essentials

10 595

Apps Start-up score

14 915

Video Conferencing Score

7 865

Web Browsing Score

10 143

### Productivity

7 369

Spreadsheets Score

7 396

Writing Score

7 343

### Digital Content Creation

6 116

Photo Editing Score

7 190

Rendering and Visualization Score

4 755

Video Editing Score

6 696

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-18 14:13:58.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 617

### Essentials

10 601

Apps Start-up score

14 921

Video Conferencing Score

7 871

Web Browsing Score

10 149

### Productivity

7 375

Spreadsheets Score

7 402

Writing Score

7 349

### Digital Content Creation

6 122

Photo Editing Score

7 196

Rendering and Visualization Score

4 761

Video Editing Score

6 702

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-19 15:33:17.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 600

### Essentials

10 659

Apps Start-up score

15 409

Video Conferencing Score

7 816

Web Browsing Score

10 058

### Productivity

7 414

Spreadsheets Score

7 349

Writing Score

7 481

### Digital Content Creation

6 025

Photo Editing Score

7 041

Rendering and Visualization Score

4 715

Video Editing Score

6 591

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-18 14:34:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 606

### Essentials

10 665

Apps Start-up score

15 415

Video Conferencing Score

7 822

Web Browsing Score

10 064

### Productivity

7 420

Spreadsheets Score

7 355

Writing Score

7 487

### Digital Content Creation

6 031

Photo Editing Score

7 047

Rendering and Visualization Score

4 721

Video Editing Score

6 597

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-19 15:48:34.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

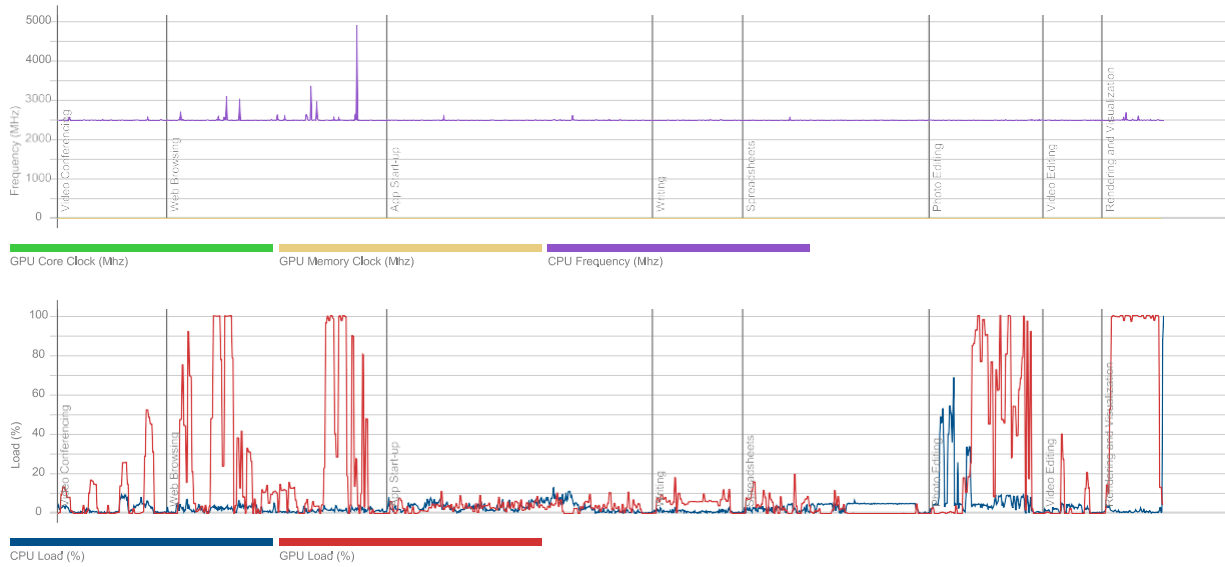
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 612

### Essentials

10 671

Apps Start-up score

15 421

Video Conferencing Score

7 828

Web Browsing Score

10 070

### Productivity

7 426

Spreadsheets Score

7 361

Writing Score

7 493

### Digital Content Creation

6 037

Photo Editing Score

7 053

Rendering and Visualization Score

4 727

Video Editing Score

6 603

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-22 11:17:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 618

### Essentials

10 677

Apps Start-up score

15 427

Video Conferencing Score

7 834

Web Browsing Score

10 076

### Productivity

7 432

Spreadsheets Score

7 367

Writing Score

7 499

### Digital Content Creation

6 043

Photo Editing Score

7 059

Rendering and Visualization Score

4 733

Video Editing Score

6 609

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-17 11:36:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

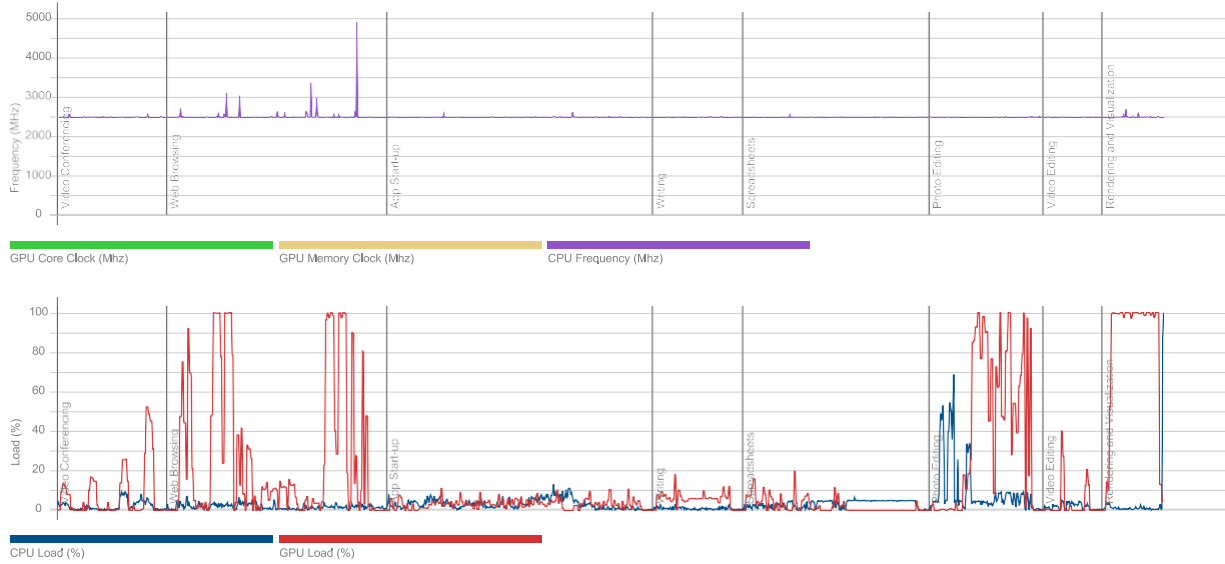
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 624

### Essentials

10 683

Apps Start-up score

15 433

Video Conferencing Score

7 840

Web Browsing Score

10 082

### Productivity

7 438

Spreadsheets Score

7 373

Writing Score

7 505

### Digital Content Creation

6 049

Photo Editing Score

7 065

Rendering and Visualization Score

4 739

Video Editing Score

6 615

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-18 14:49:37.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

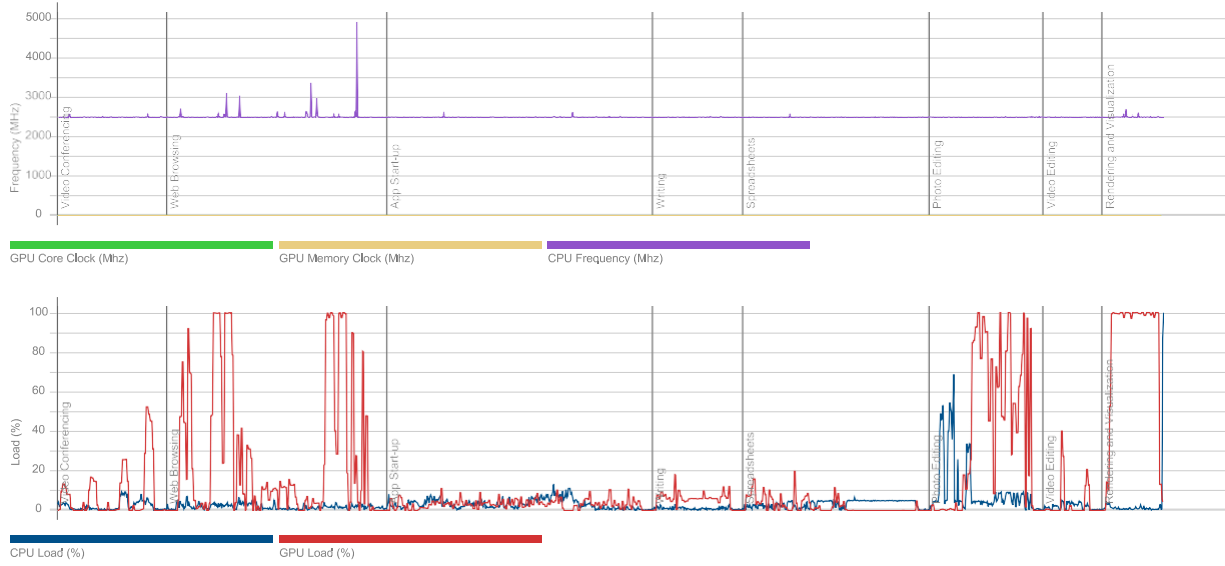
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 630

### Essentials

10 689

Apps Start-up score

15 439

Video Conferencing Score

7 846

Web Browsing Score

10 088

### Productivity

7 444

Spreadsheets Score

7 379

Writing Score

7 511

### Digital Content Creation

6 055

Photo Editing Score

7 071

Rendering and Visualization Score

4 745

Video Editing Score

6 621

### Validation

VALID

### Run information

Result name

DESKTOP-AOMLU01\_2024-01-19 16:09:54.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 56 s

Id

331dbbe3-9fa5-4751-94b7-a94d73df8845

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4906 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 610

### Essentials

10 734

Apps Start-up score

15 994

Video Conferencing Score

7 705

Web Browsing Score

10 039

### Productivity

7 347

Spreadsheets Score

7 404

Writing Score

7 292

### Digital Content Creation

6 070

Photo Editing Score

7 198

Rendering and Visualization Score

4 691

Video Editing Score

6 627

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-18 15:07:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

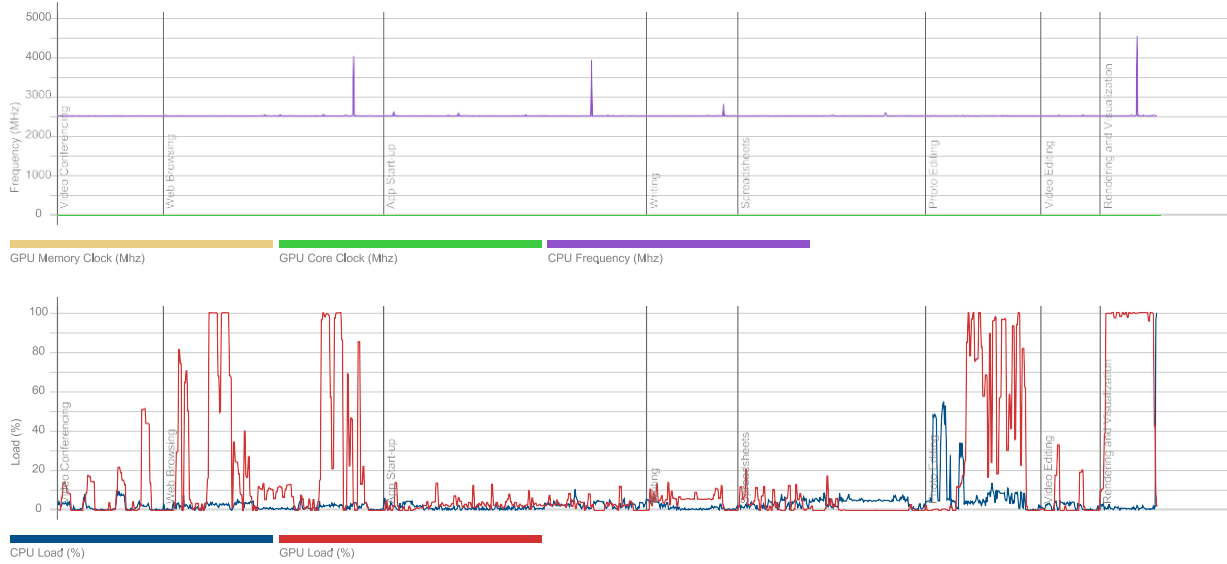
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 616

### Essentials

10 740

Apps Start-up score

16 000

Video Conferencing Score

7 711

Web Browsing Score

10 045

### Productivity

7 353

Spreadsheets Score

7 410

Writing Score

7 298

### Digital Content Creation

6 076

Photo Editing Score

7 204

Rendering and Visualization Score

4 697

Video Editing Score

6 633

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-19 16:13:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

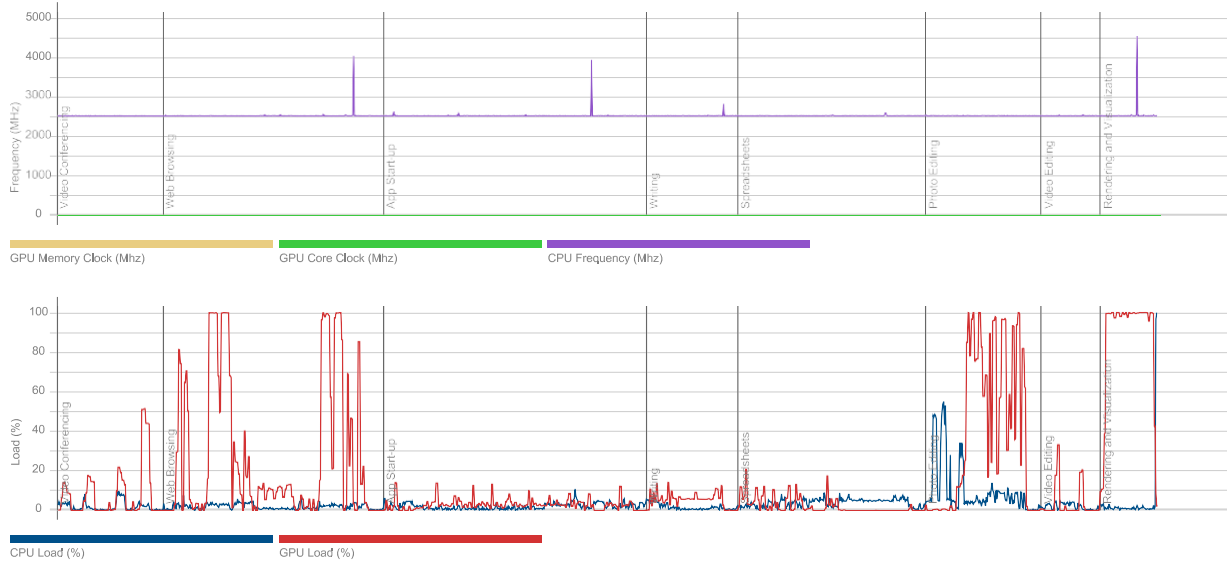
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 622

### Essentials

10 746

Apps Start-up score

16 006

Video Conferencing Score

7 717

Web Browsing Score

10 051

### Productivity

7 359

Spreadsheets Score

7 416

Writing Score

7 304

### Digital Content Creation

6 082

Photo Editing Score

7 210

Rendering and Visualization Score

4 703

Video Editing Score

6 639

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-22 11:32:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

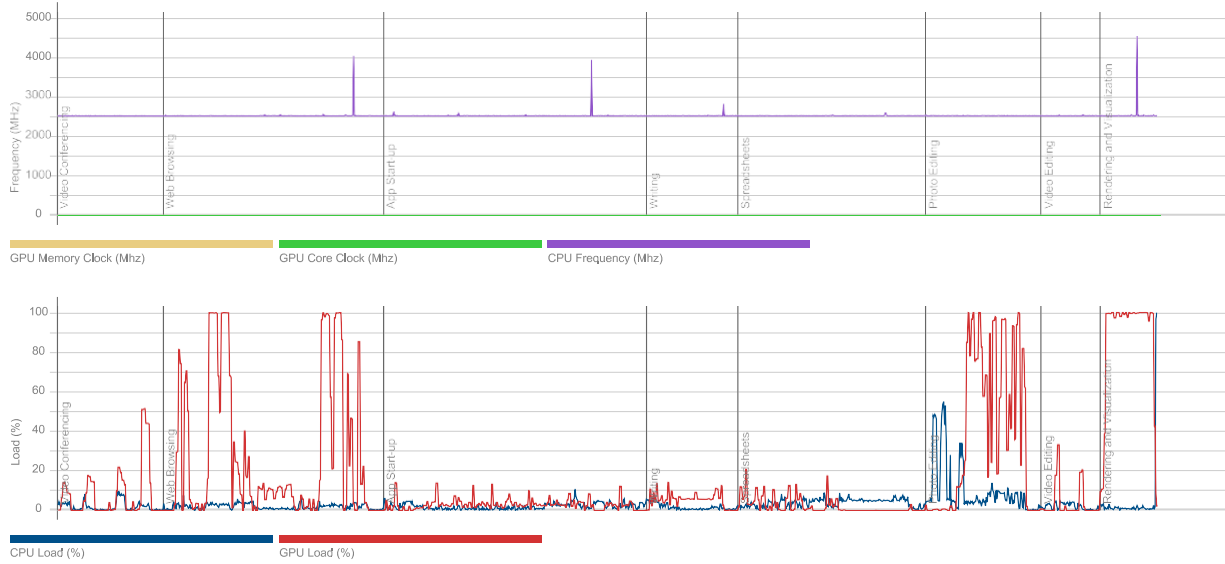
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 628

### Essentials

10 752

Apps Start-up score

16 012

Video Conferencing Score

7 723

Web Browsing Score

10 057

### Productivity

7 365

Spreadsheets Score

7 422

Writing Score

7 310

### Digital Content Creation

6 088

Photo Editing Score

7 216

Rendering and Visualization Score

4 709

Video Editing Score

6 645

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-17 13:06:18.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

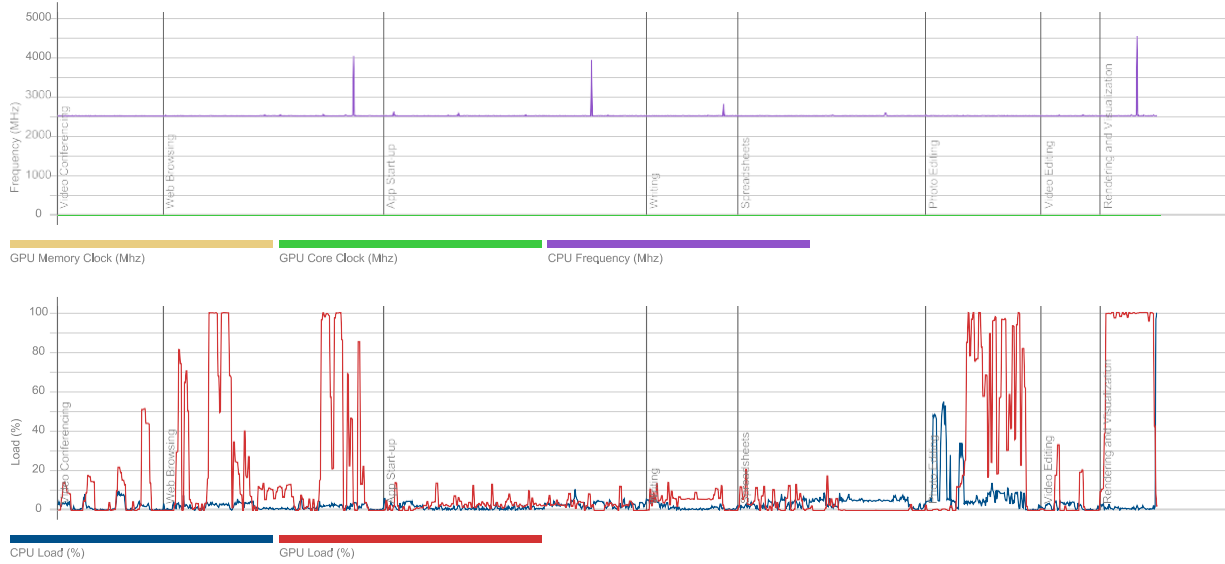
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 634

### Essentials

10 758

Apps Start-up score

16 018

Video Conferencing Score

7 729

Web Browsing Score

10 063

### Productivity

7 371

Spreadsheets Score

7 428

Writing Score

7 316

### Digital Content Creation

6 094

Photo Editing Score

7 222

Rendering and Visualization Score

4 715

Video Editing Score

6 651

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-18 16:31:26.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

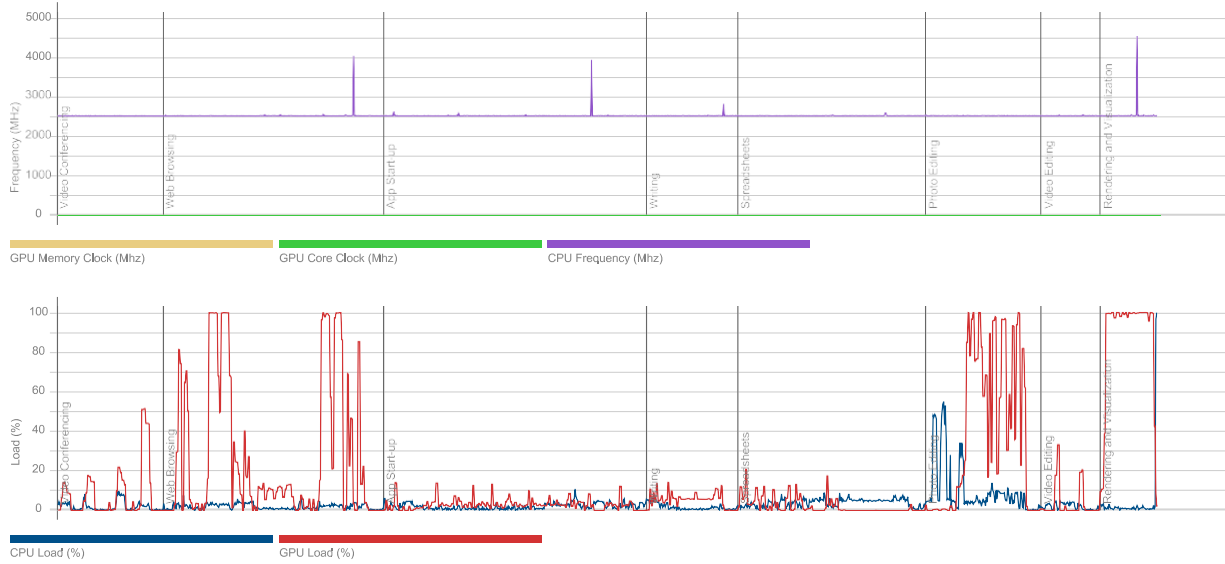
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 640

### Essentials

10 764

Apps Start-up score

16 024

Video Conferencing Score

7 735

Web Browsing Score

10 069

### Productivity

7 377

Spreadsheets Score

7 434

Writing Score

7 322

### Digital Content Creation

6 100

Photo Editing Score

7 228

Rendering and Visualization Score

4 721

Video Editing Score

6 657

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-19 16:33:52.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

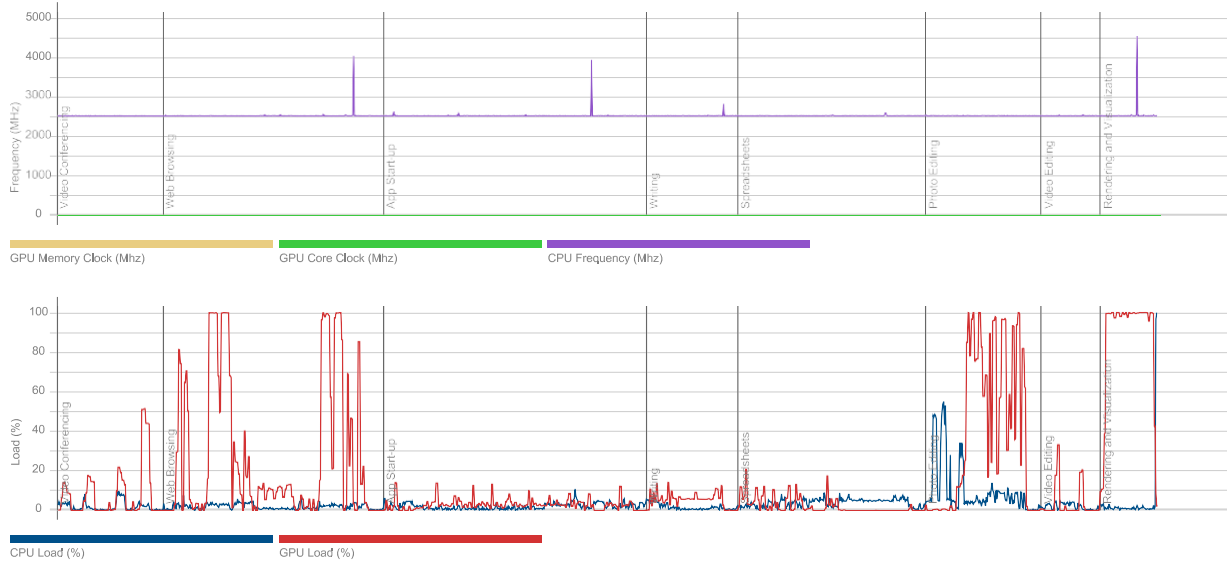
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 614

### Essentials

10 735

Apps Start-up score

15 835

Video Conferencing Score

7 762

Web Browsing Score

10 066

### Productivity

7 424

Spreadsheets Score

7 369

Writing Score

7 481

### Digital Content Creation

6 020

Photo Editing Score

7 127

Rendering and Visualization Score

4 670

Video Editing Score

6 556

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-18 15:23:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 49 s

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

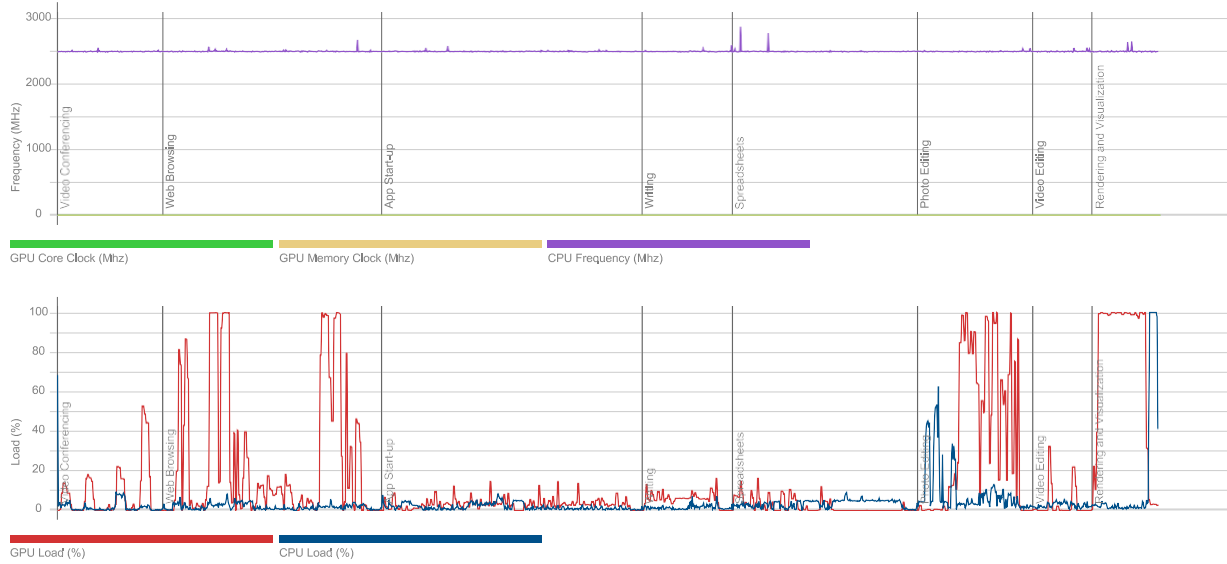
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 621

### Essentials

10 742

Apps Start-up score

15 842

Video Conferencing Score

7 769

Web Browsing Score

10 073

### Productivity

7 431

Spreadsheets Score

7 376

Writing Score

7 488

### Digital Content Creation

6 027

Photo Editing Score

7 134

Rendering and Visualization Score

4 677

Video Editing Score

6 563

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-19 11:25:53.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 49 s

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

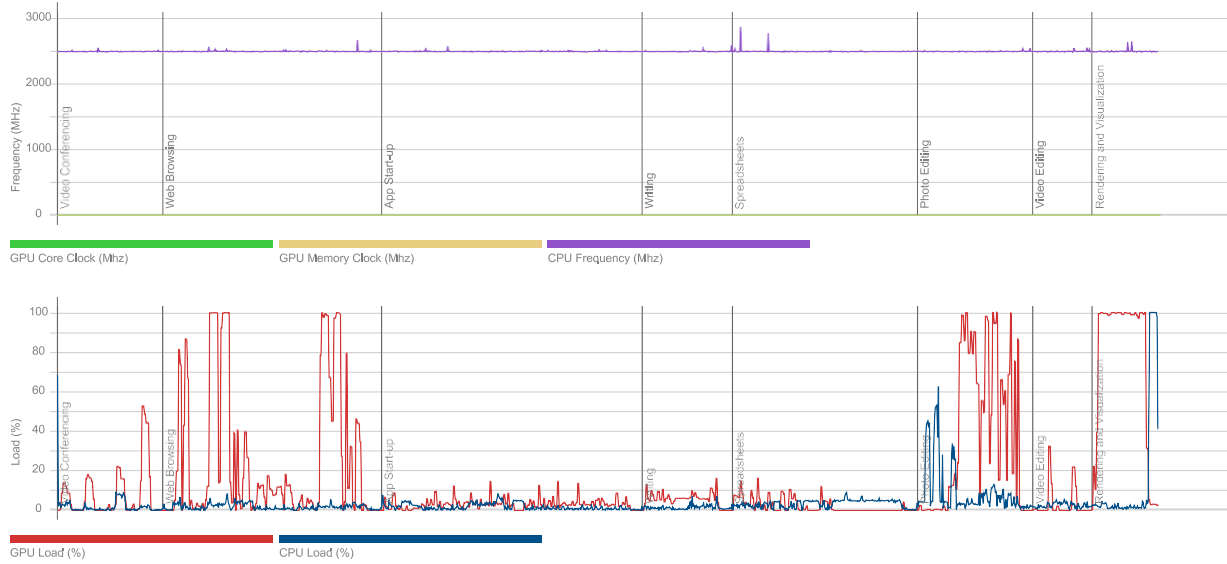
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 628

### Essentials

10 749

Apps Start-up score

15 849

Video Conferencing Score

7 776

Web Browsing Score

10 080

### Productivity

7 438

Spreadsheets Score

7 383

Writing Score

7 495

### Digital Content Creation

6 034

Photo Editing Score

7 141

Rendering and Visualization Score

4 684

Video Editing Score

6 570

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-22 08:52:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 49 s

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

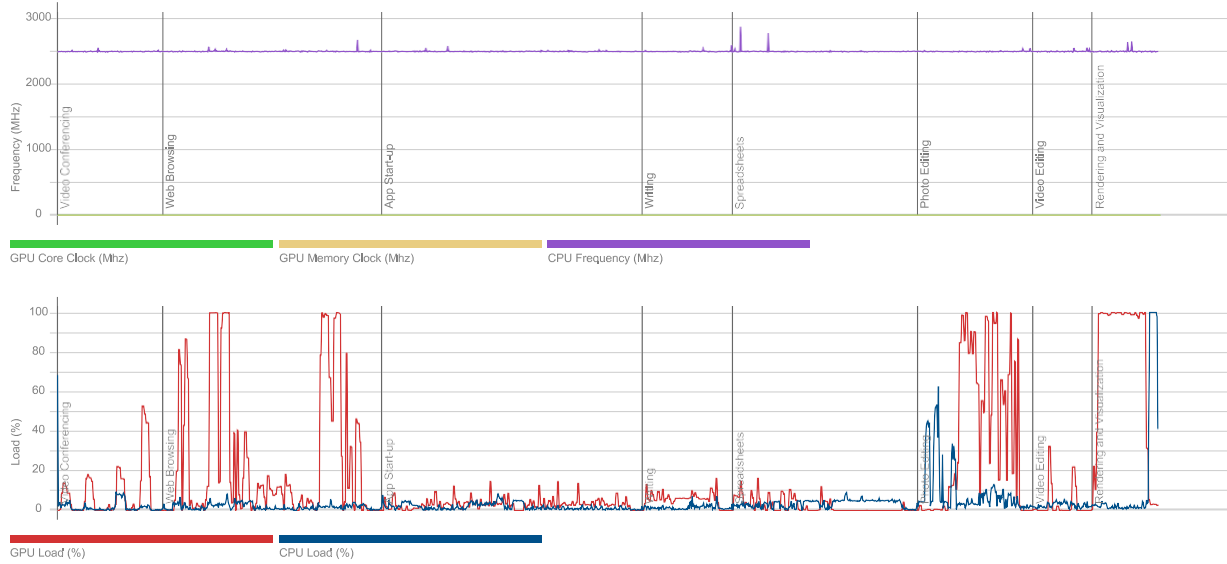
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 635

### Essentials

10 756

Apps Start-up score

15 856

Video Conferencing Score

7 783

Web Browsing Score

10 087

### Productivity

7 445

Spreadsheets Score

7 390

Writing Score

7 502

### Digital Content Creation

6 041

Photo Editing Score

7 148

Rendering and Visualization Score

4 691

Video Editing Score

6 577

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-17 13:31:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 49 s

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

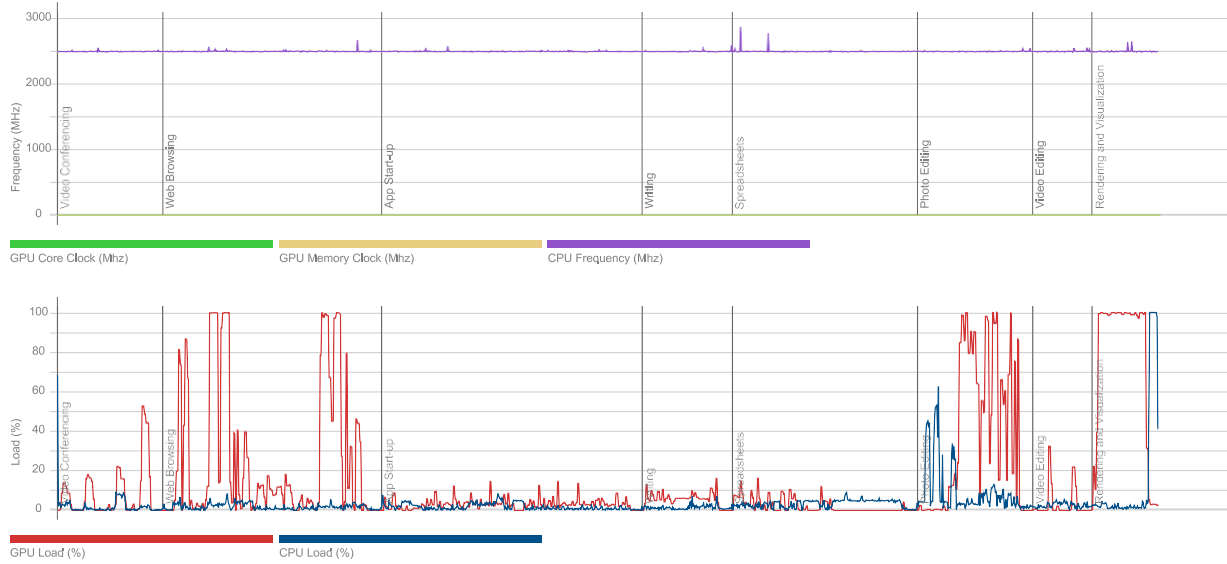
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 642

### Essentials

10 763

Apps Start-up score

15 863

Video Conferencing Score

7 790

Web Browsing Score

10 094

### Productivity

7 452

Spreadsheets Score

7 397

Writing Score

7 509

### Digital Content Creation

6 048

Photo Editing Score

7 155

Rendering and Visualization Score

4 698

Video Editing Score

6 584

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-18 16:03:58.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 49 18

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

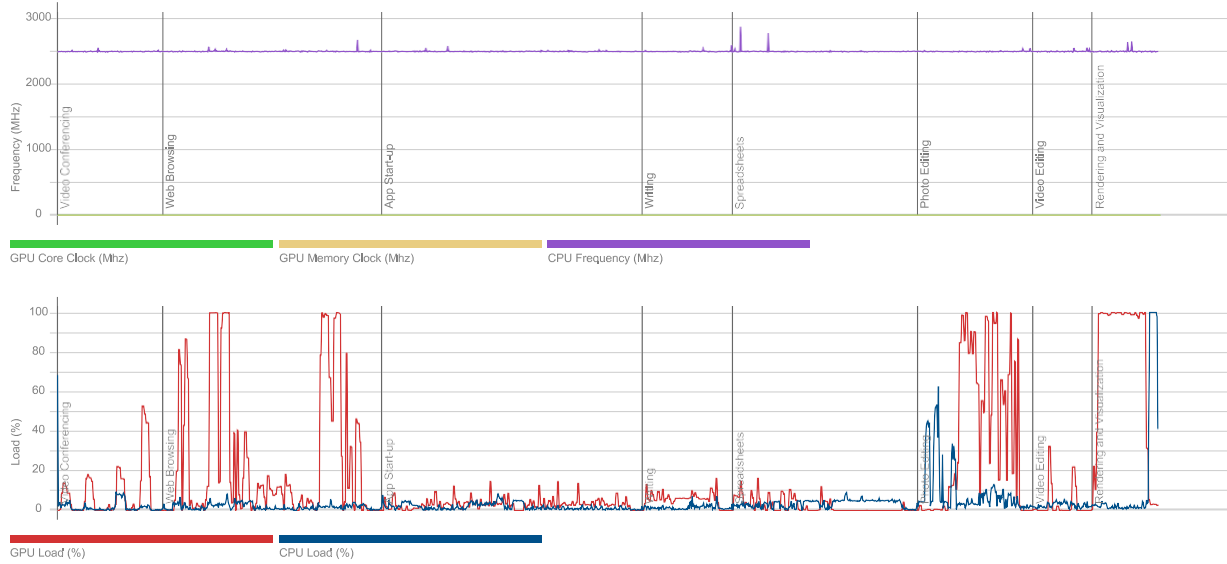
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 649

### Essentials

10 770

Apps Start-up score

15 870

Video Conferencing Score

7 797

Web Browsing Score

10 101

### Productivity

7 459

Spreadsheets Score

7 404

Writing Score

7 516

### Digital Content Creation

6 055

Photo Editing Score

7 162

Rendering and Visualization Score

4 705

Video Editing Score

6 591

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-19 16:46:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 49 18

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

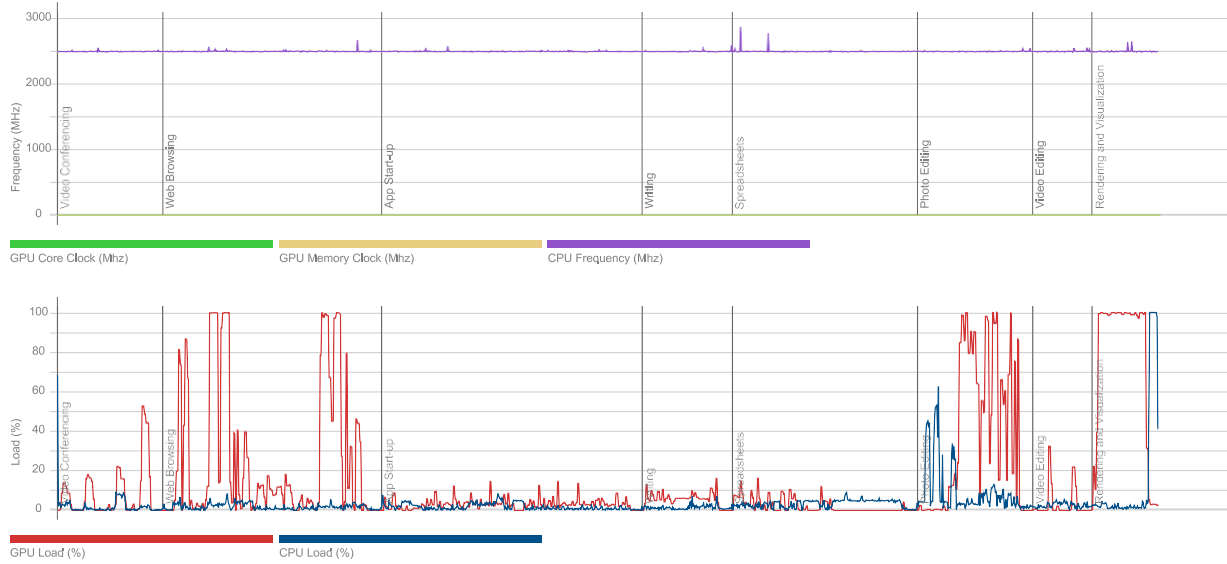
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 607

### Essentials

10 657

Apps Start-up score

15 802

Video Conferencing Score

7 678

Web Browsing Score

9 976

### Productivity

7 406

Spreadsheets Score

7 372

Writing Score

7 442

### Digital Content Creation

6 067

Photo Editing Score

7 167

Rendering and Visualization Score

4 704

Video Editing Score

6 624

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-18 15:37:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
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<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	92890 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 600

### Essentials

10 650

Apps Start-up score

15 795

Video Conferencing Score

7 671

Web Browsing Score

9 969

### Productivity

7 399

Spreadsheets Score

7 365

Writing Score

7 435

### Digital Content Creation

6 060

Photo Editing Score

7 160

Rendering and Visualization Score

4 697

Video Editing Score

6 617

## Validation

VALID

## Run information

Result name

DESKTOP-KR9TGJN\_2024-01-19 11:03:45.0

## Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

## Test settings

Default settings used

Yes

## Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	92890 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 607

### Essentials

10 728

Apps Start-up score

15 828

Video Conferencing Score

7 755

Web Browsing Score

10 059

### Productivity

7 417

Spreadsheets Score

7 362

Writing Score

7 474

### Digital Content Creation

6 013

Photo Editing Score

7 120

Rendering and Visualization Score

4 663

Video Editing Score

6 549

### Validation

VALID

### Run information

Result name

DESKTOP-CRBR8GI\_2024-01-17 16:45:15.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 49 s

Id

d9d7156f-1617-4646-a65c-c8987c3be70e

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2883 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

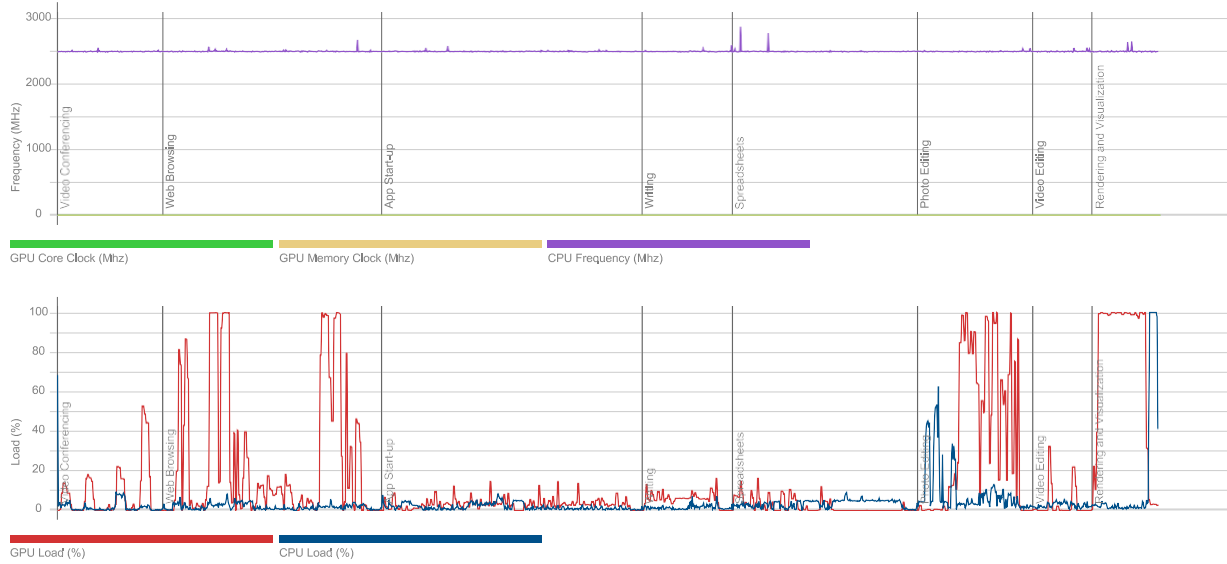
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 545

### Essentials

10 503

Apps Start-up score

14 724

Video Conferencing Score

7 791

Web Browsing Score

10 102

### Productivity

7 409

Spreadsheets Score

7 457

Writing Score

7 362

### Digital Content Creation

5 946

Photo Editing Score

7 107

Rendering and Visualization Score

4 774

Video Editing Score

6 199

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-18 13:42:11.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

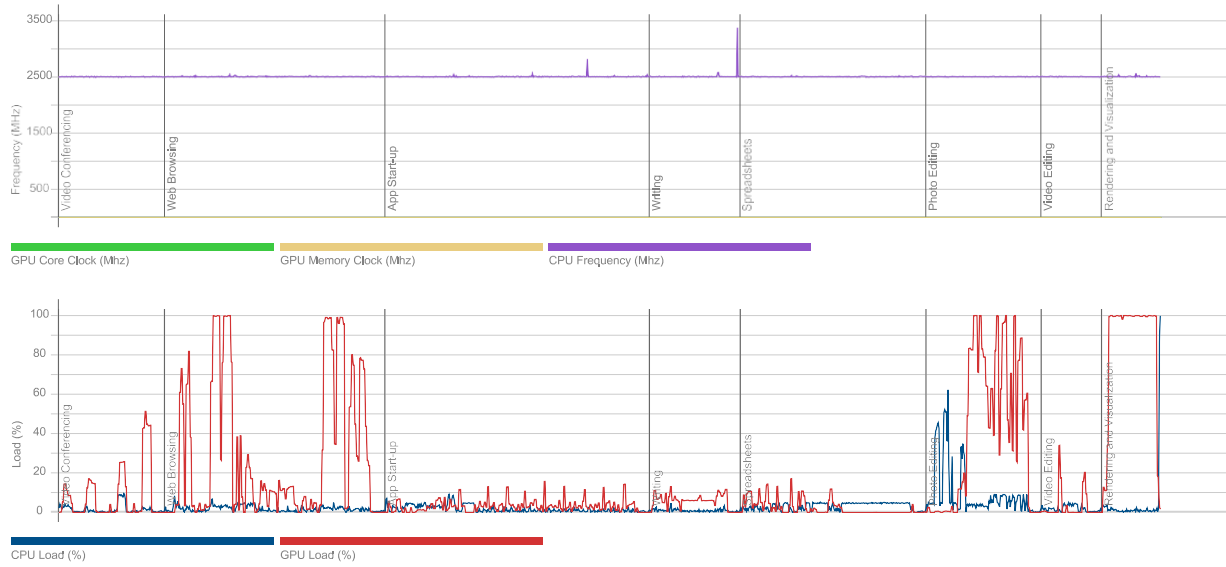
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 593

### Essentials

10 643

Apps Start-up score

15 788

Video Conferencing Score

7 664

Web Browsing Score

9 962

### Productivity

7 392

Spreadsheets Score

7 358

Writing Score

7 428

### Digital Content Creation

6 053

Photo Editing Score

7 153

Rendering and Visualization Score

4 690

Video Editing Score

6 610

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-22 11:52:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	92890 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 586

### Essentials

10 636

Apps Start-up score

15 781

Video Conferencing Score

7 657

Web Browsing Score

9 955

### Productivity

7 385

Spreadsheets Score

7 351

Writing Score

7 421

### Digital Content Creation

6 046

Photo Editing Score

7 146

Rendering and Visualization Score

4 683

Video Editing Score

6 603

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-17 14:05:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

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<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

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<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
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<b>Processors</b>	1
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<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
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<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 579

### Essentials

10 629

Apps Start-up score

15 774

Video Conferencing Score

7 650

Web Browsing Score

9 948

### Productivity

7 378

Spreadsheets Score

7 344

Writing Score

7 414

### Digital Content Creation

6 039

Photo Editing Score

7 139

Rendering and Visualization Score

4 676

Video Editing Score

6 596

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-18 16:19:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

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<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
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<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 572

### Essentials

10 622

Apps Start-up score

15 767

Video Conferencing Score

7 643

Web Browsing Score

9 941

### Productivity

7 371

Spreadsheets Score

7 337

Writing Score

7 407

### Digital Content Creation

6 032

Photo Editing Score

7 132

Rendering and Visualization Score

4 669

Video Editing Score

6 589

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-19 10:51:28.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	92890 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 608

### Essentials

10 734

Apps Start-up score

16 302

Video Conferencing Score

7 664

Web Browsing Score

9 900

### Productivity

7 385

Spreadsheets Score

7 255

Writing Score

7 518

### Digital Content Creation

6 044

Photo Editing Score

7 118

Rendering and Visualization Score

4 711

Video Editing Score

6 585

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-18 08:45:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

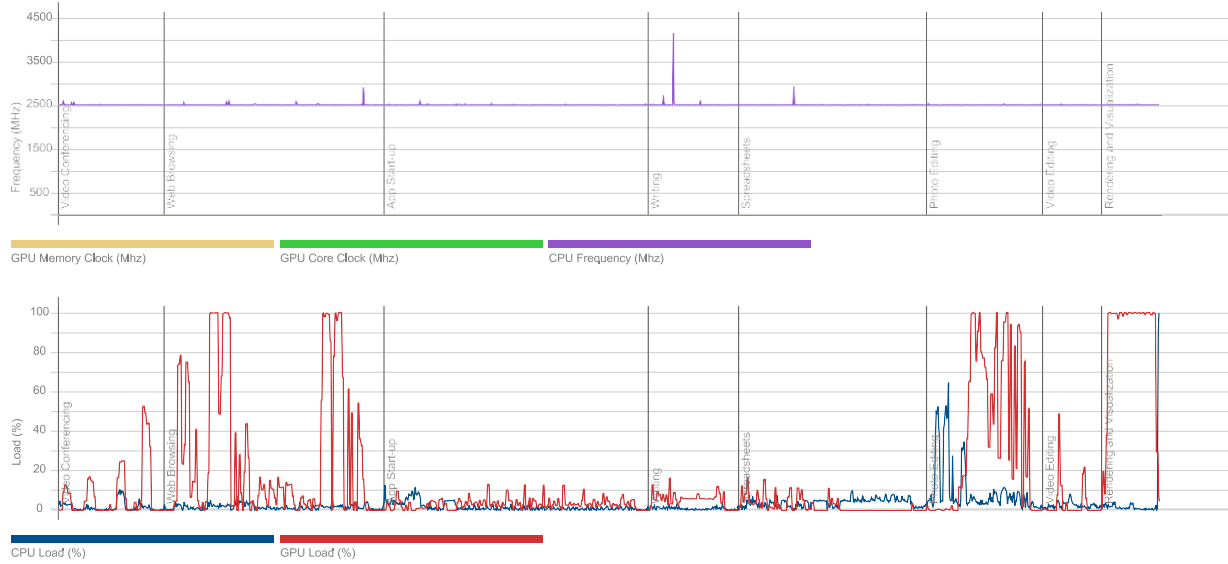
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 601

### Essentials

10 727

Apps Start-up score

16 295

Video Conferencing Score

7 657

Web Browsing Score

9 893

### Productivity

7 378

Spreadsheets Score

7 248

Writing Score

7 511

### Digital Content Creation

6 037

Photo Editing Score

7 111

Rendering and Visualization Score

4 704

Video Editing Score

6 578

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-19 10:33:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

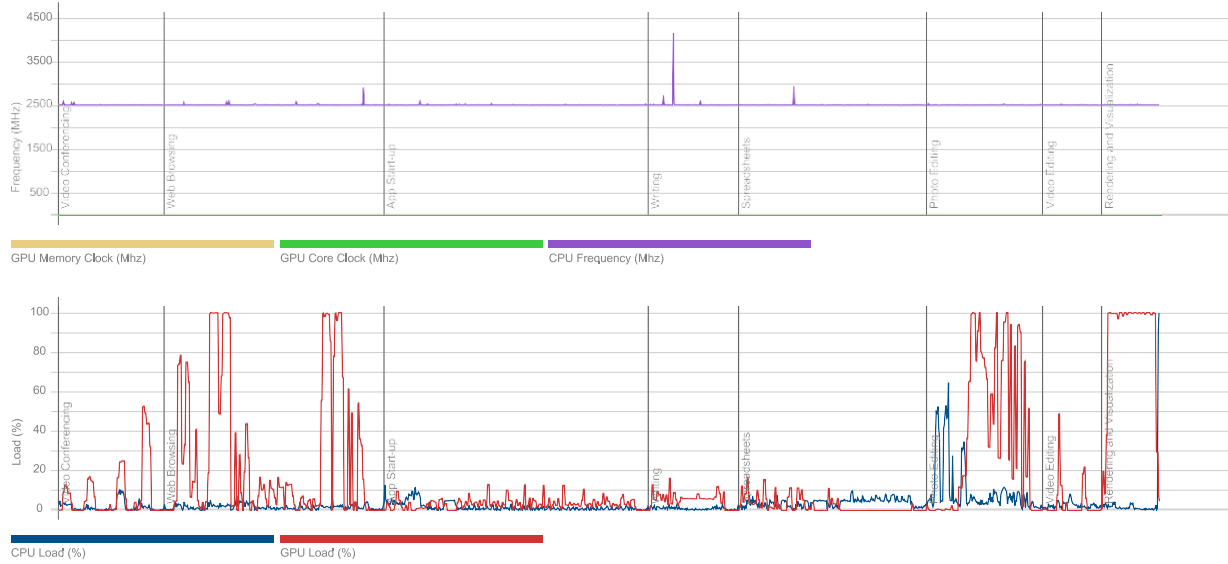
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 594

### Essentials

10 720

Apps Start-up score

16 288

Video Conferencing Score

7 650

Web Browsing Score

9 886

### Productivity

7 371

Spreadsheets Score

7 241

Writing Score

7 504

### Digital Content Creation

6 030

Photo Editing Score

7 104

Rendering and Visualization Score

4 697

Video Editing Score

6 571

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-17 13:12:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

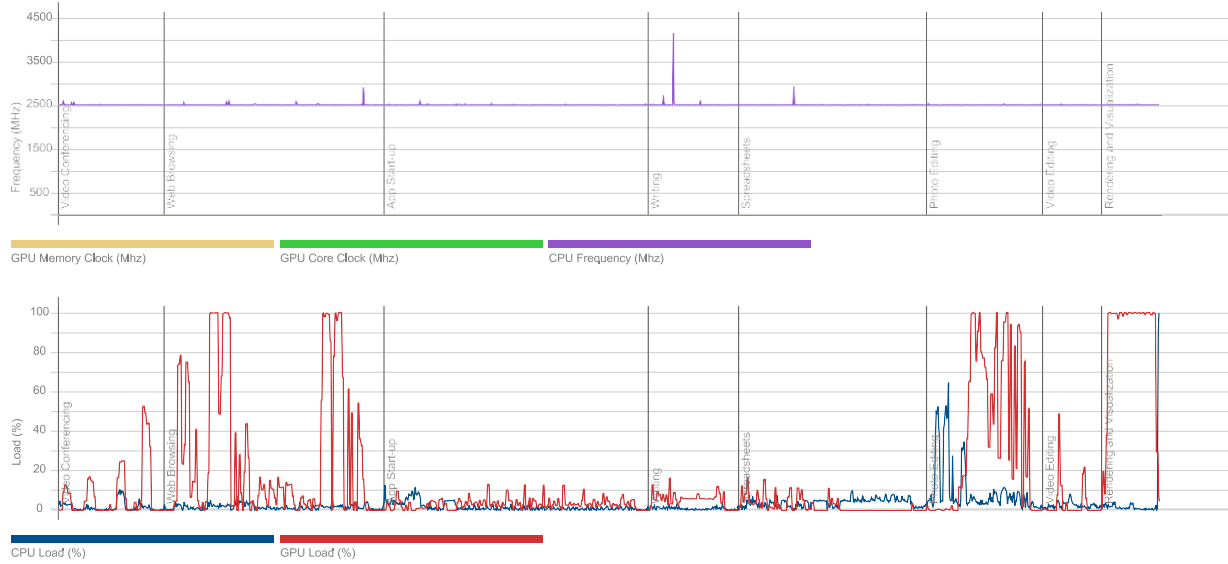
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 587

### Essentials

10 713

Apps Start-up score

16 281

Video Conferencing Score

7 643

Web Browsing Score

9 879

### Productivity

7 364

Spreadsheets Score

7 234

Writing Score

7 497

### Digital Content Creation

6 023

Photo Editing Score

7 097

Rendering and Visualization Score

4 690

Video Editing Score

6 564

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-18 15:52:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

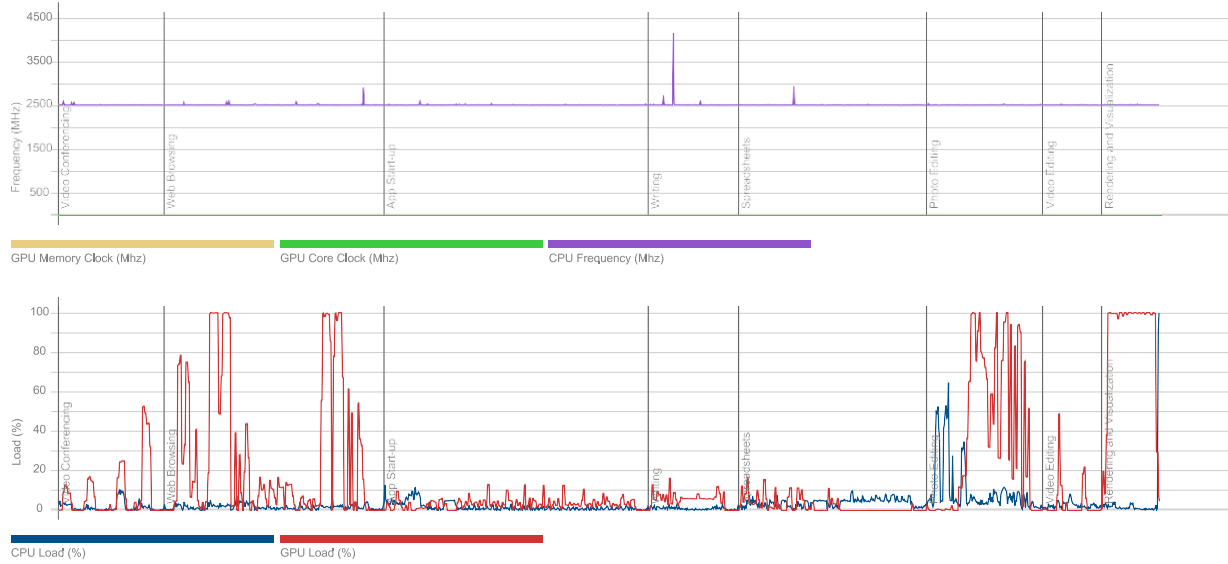
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 580

### Essentials

10 706

Apps Start-up score

16 274

Video Conferencing Score

7 636

Web Browsing Score

9 872

### Productivity

7 357

Spreadsheets Score

7 227

Writing Score

7 490

### Digital Content Creation

6 016

Photo Editing Score

7 090

Rendering and Visualization Score

4 683

Video Editing Score

6 557

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-17 14:19:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

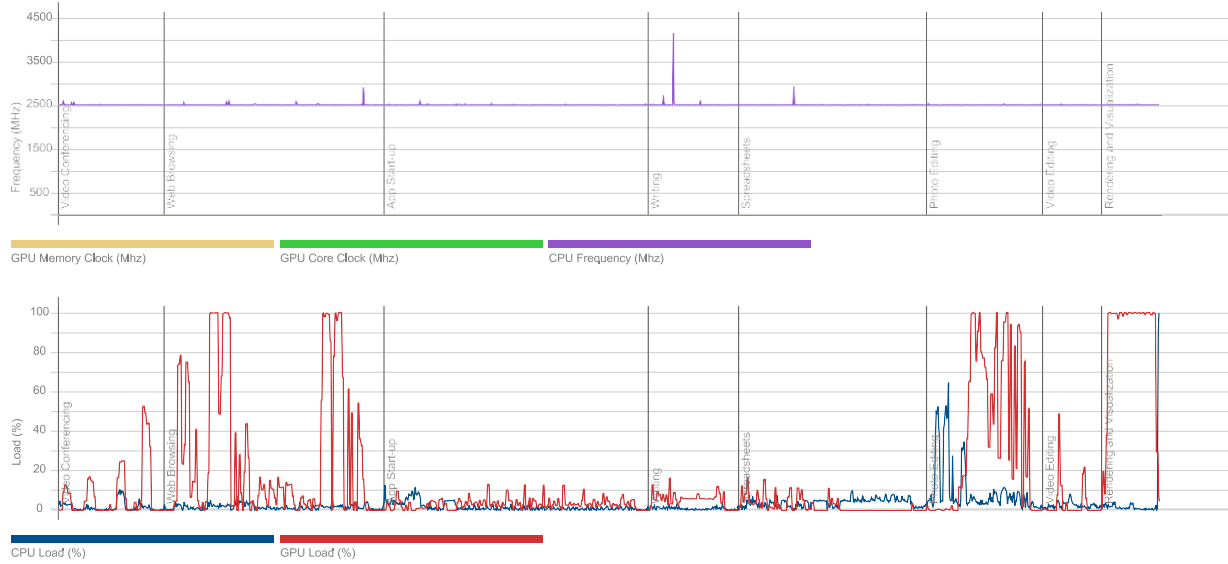
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 573

### Essentials

10 699

Apps Start-up score

16 267

Video Conferencing Score

7 629

Web Browsing Score

9 865

### Productivity

7 350

Spreadsheets Score

7 220

Writing Score

7 483

### Digital Content Creation

6 009

Photo Editing Score

7 083

Rendering and Visualization Score

4 676

Video Editing Score

6 550

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-18 08:32:57.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

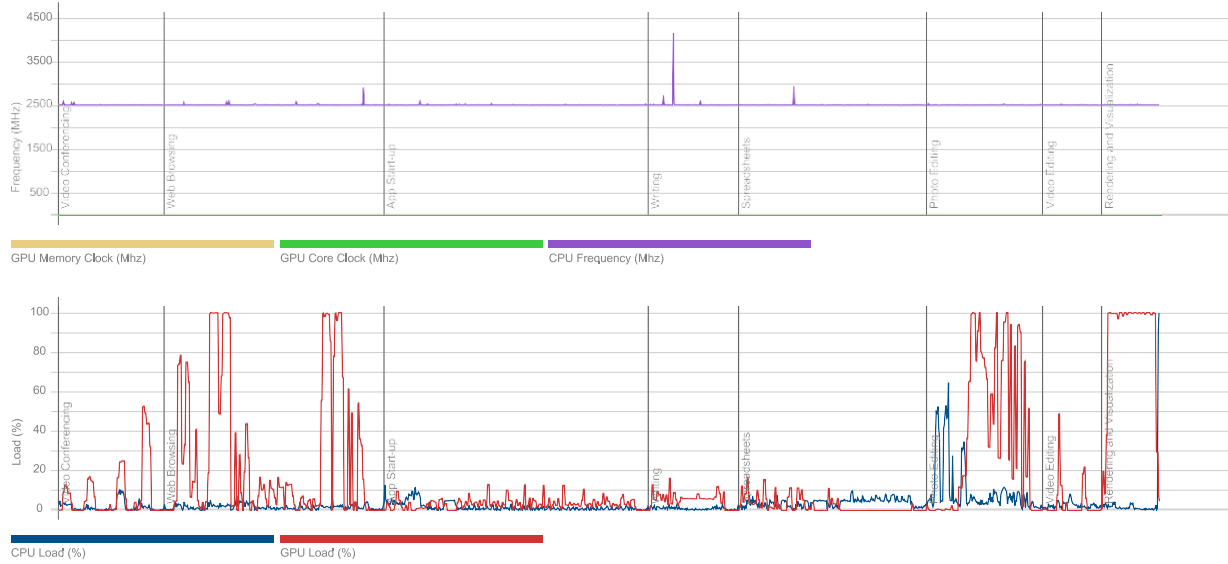
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 627

### Essentials

10 648

Apps Start-up score

15 391

Video Conferencing Score

7 793

Web Browsing Score

10 068

### Productivity

7 443

Spreadsheets Score

7 370

Writing Score

7 517

### Digital Content Creation

6 094

Photo Editing Score

7 132

Rendering and Visualization Score

4 758

Video Editing Score

6 670

### Validation

VALID

### Run information

Result name

USER\_2024-01-18 08:22:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

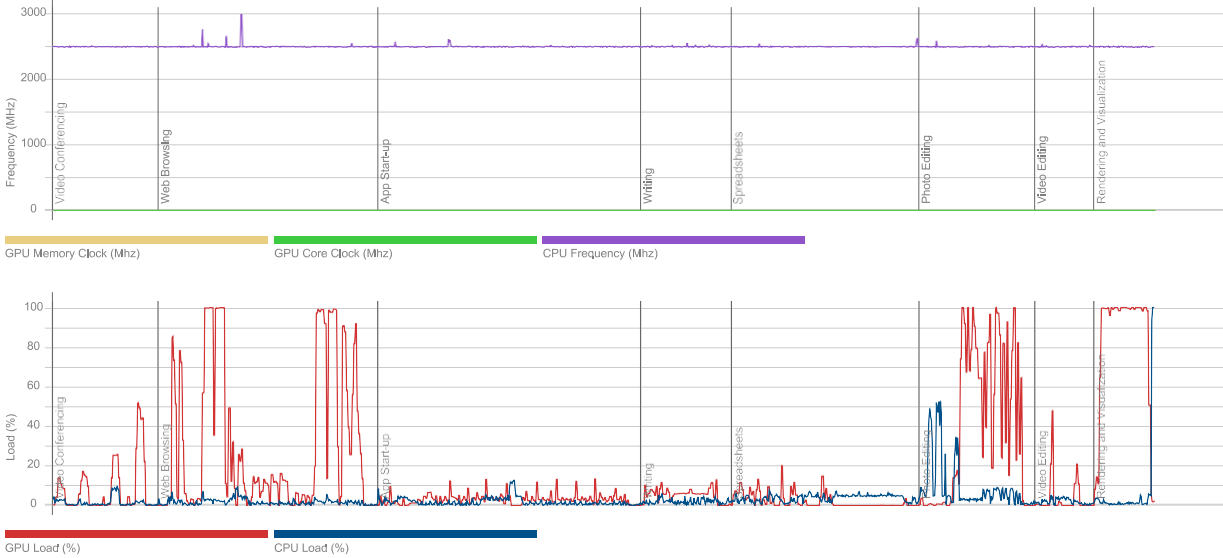
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 635

### Essentials

10 656

Apps Start-up score

15 399

Video Conferencing Score

7 801

Web Browsing Score

10 076

### Productivity

7 451

Spreadsheets Score

7 378

Writing Score

7 525

### Digital Content Creation

6 102

Photo Editing Score

7 140

Rendering and Visualization Score

4 766

Video Editing Score

6 678

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 15:02:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

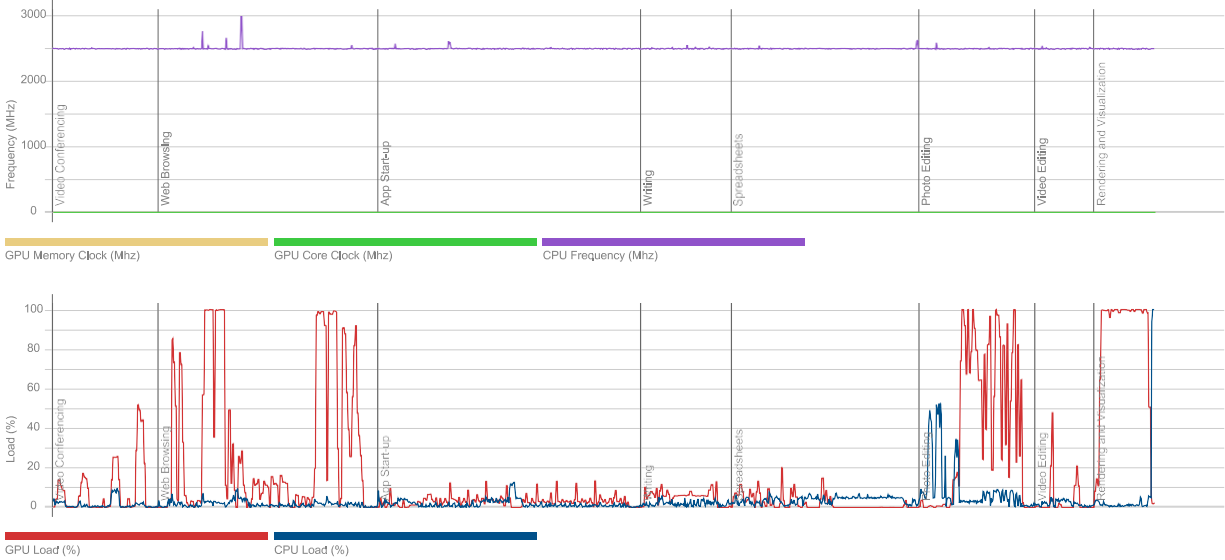
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 515

### Essentials

10 473

Apps Start-up score

14 694

Video Conferencing Score

7 761

Web Browsing Score

10 072

### Productivity

7 379

Spreadsheets Score

7 427

Writing Score

7 332

### Digital Content Creation

5 916

Photo Editing Score

7 077

Rendering and Visualization Score

4 744

Video Editing Score

6 169

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-19 13:44:44.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

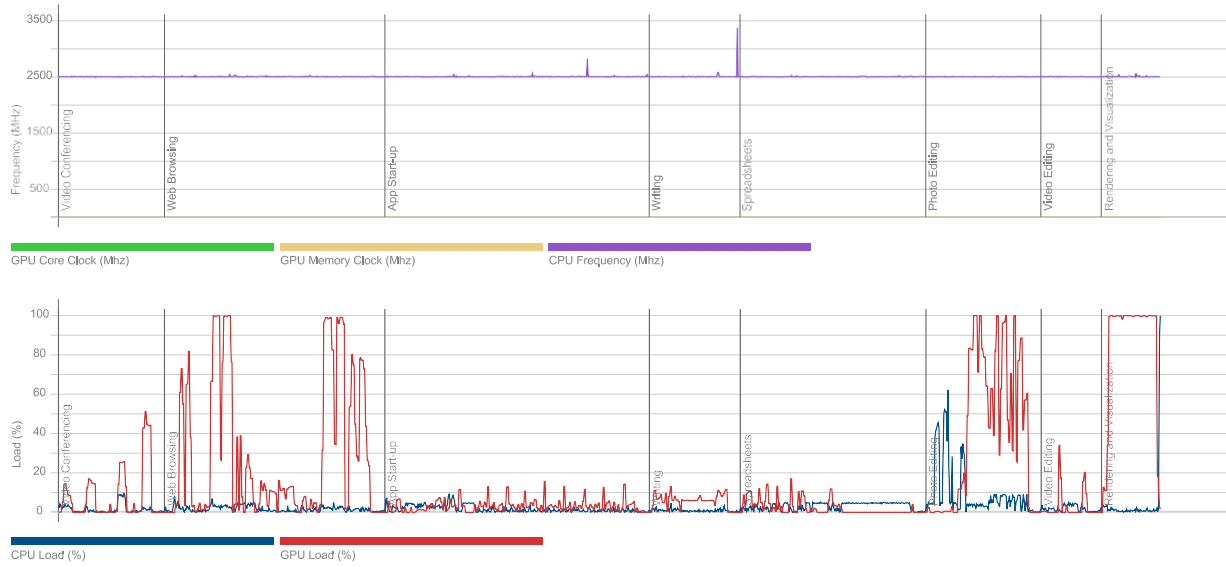
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 509

### Essentials

10 467

Apps Start-up score

14 688

Video Conferencing Score

7 755

Web Browsing Score

10 066

### Productivity

7 373

Spreadsheets Score

7 421

Writing Score

7 326

### Digital Content Creation

5 910

Photo Editing Score

7 071

Rendering and Visualization Score

4 738

Video Editing Score

6 163

### Validation

VALID

### Run information

Result name

DESKTOP-TQAA5QF\_2024-01-22 09:41:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 53 s

Id

16d48c4a-5485-4195-acd3-8bf549e100e1

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3372 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

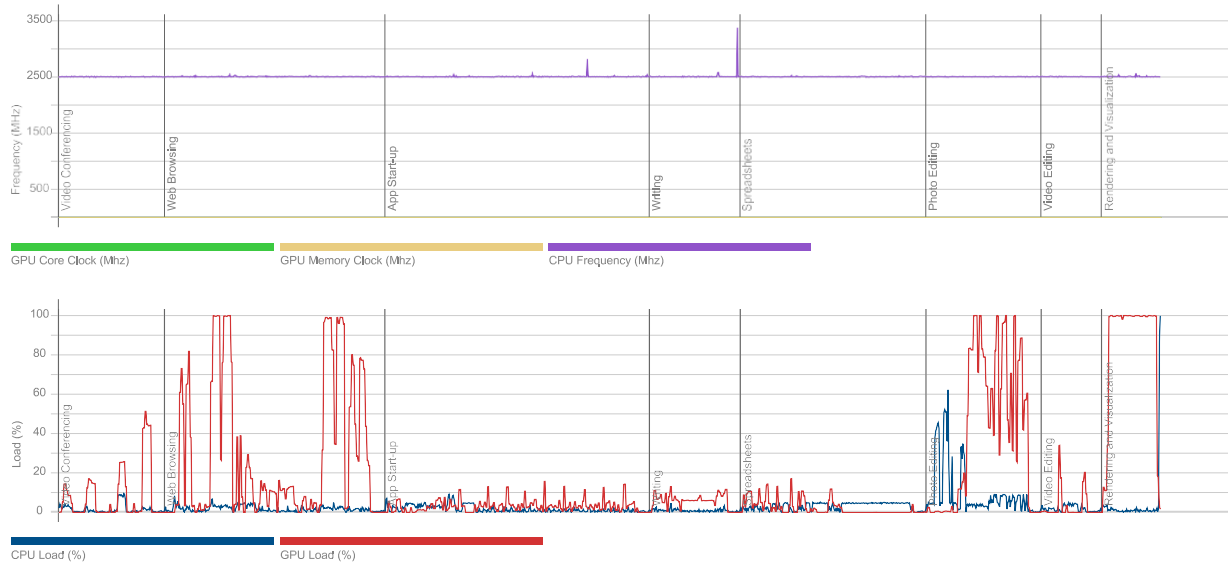
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 562

### Essentials

10 383

Apps Start-up score

14 690

Video Conferencing Score

7 763

Web Browsing Score

9 817

### Productivity

7 456

Spreadsheets Score

7 403

Writing Score

7 510

### Digital Content Creation

6 021

Photo Editing Score

7 177

Rendering and Visualization Score

4 653

Video Editing Score

6 540

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-19 14:03:23.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 530

### Essentials

10 692

Apps Start-up score

15 936

Video Conferencing Score

7 974

Web Browsing Score

9 621

### Productivity

7 155

Spreadsheets Score

7 283

Writing Score

7 030

### Digital Content Creation

6 002

Photo Editing Score

7 366

Rendering and Visualization Score

4 547

Video Editing Score

6 457

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 09:43:30.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 15 s

Id

c0478ceb-085f-4d65-9ca7-8cc2399373eb

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4104 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

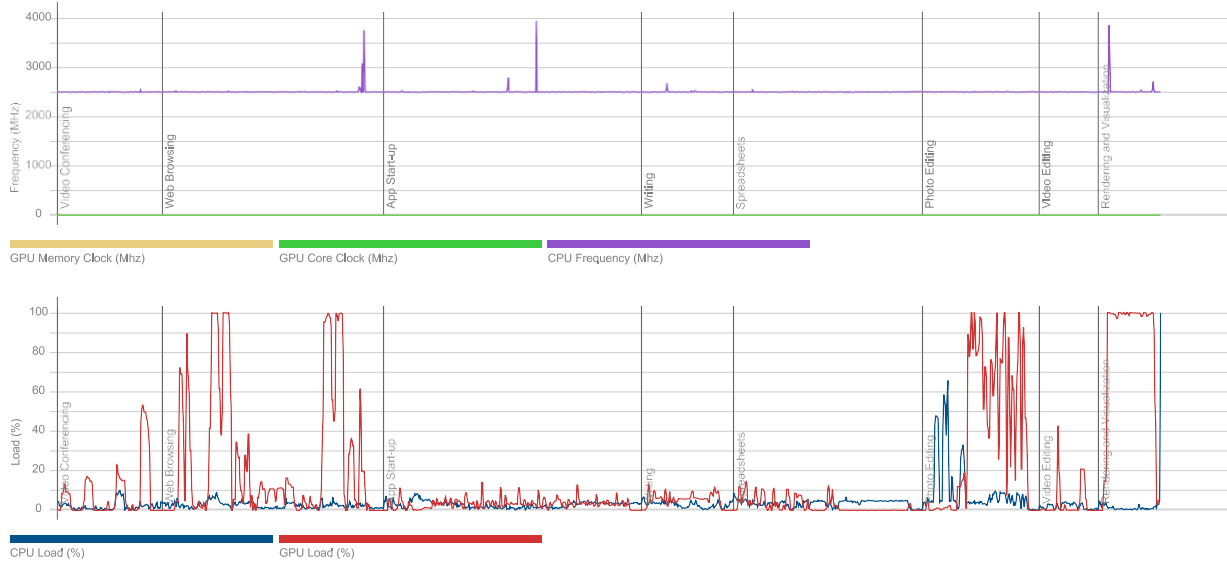
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 563

### Essentials

10 666

Apps Start-up score

15 376

Video Conferencing Score

7 866

Web Browsing Score

10 034

### Productivity

7 181

Spreadsheets Score

7 259

Writing Score

7 104

### Digital Content Creation

6 103

Photo Editing Score

7 134

Rendering and Visualization Score

4 778

Video Editing Score

6 671

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-17 10:34:39.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 516

### Essentials

10 660

Apps Start-up score

15 339

Video Conferencing Score

7 884

Web Browsing Score

10 018

### Productivity

6 923

Spreadsheets Score

6 696

Writing Score

7 158

### Digital Content Creation

6 173

Photo Editing Score

7 431

Rendering and Visualization Score

4 799

Video Editing Score

6 597

### Validation

VALID

### Run information

Result name

DESKTOP-IM8NRED\_2024-01-18 13:17:57.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 4 s

Id

I3f5080b-4ff0-4dc5-a91d-a135c894e009

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3073 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

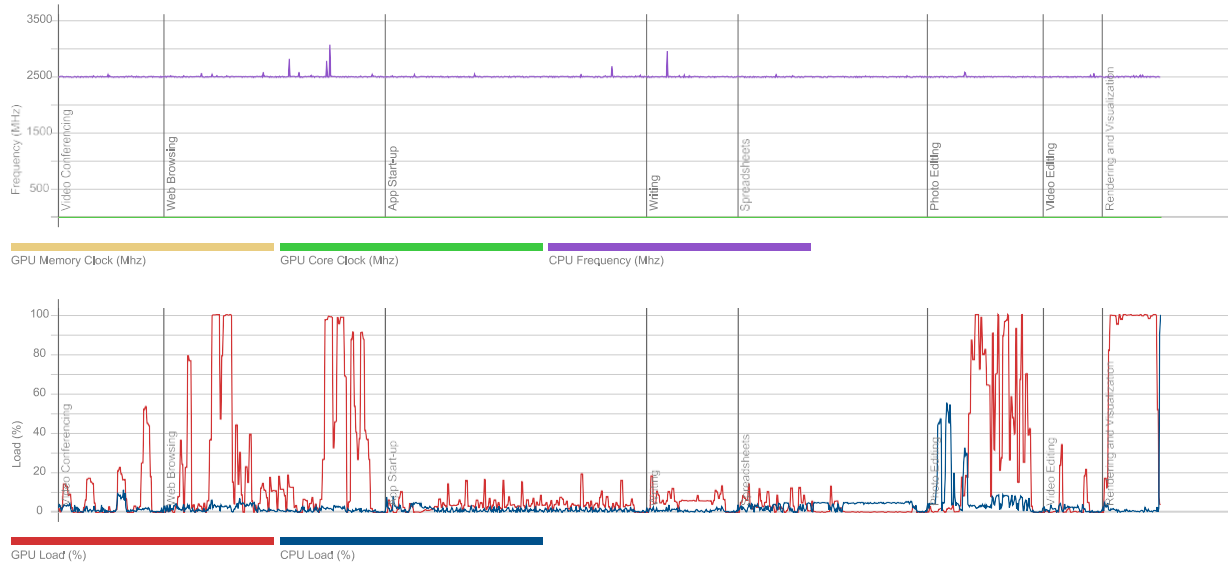
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (415 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 550

### Essentials

10 371

Apps Start-up score

14 678

Video Conferencing Score

7 751

Web Browsing Score

9 805

### Productivity

7 444

Spreadsheets Score

7 391

Writing Score

7 498

### Digital Content Creation

6 009

Photo Editing Score

7 165

Rendering and Visualization Score

4 641

Video Editing Score

6 528

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-17 09:30:12.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 580

### Essentials

10 401

Apps Start-up score

14 708

Video Conferencing Score

7 781

Web Browsing Score

9 835

### Productivity

7 474

Spreadsheets Score

7 421

Writing Score

7 528

### Digital Content Creation

6 039

Photo Editing Score

7 195

Rendering and Visualization Score

4 671

Video Editing Score

6 558

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-17 10:07:46.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

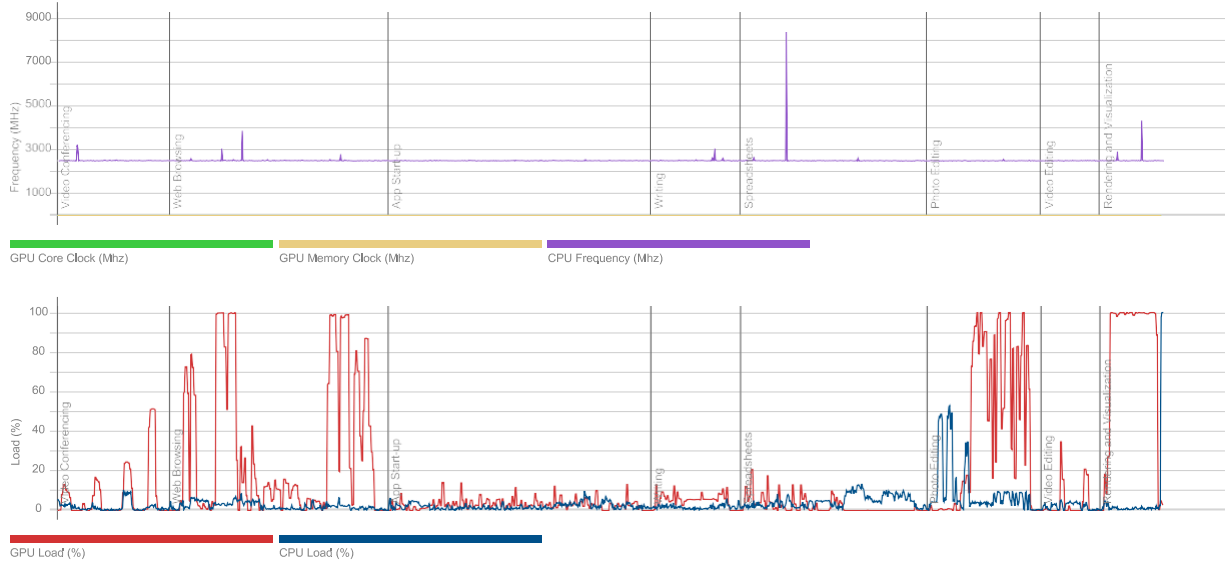
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 586

### Essentials

10 407

Apps Start-up score

14 714

Video Conferencing Score

7 787

Web Browsing Score

9 841

### Productivity

7 480

Spreadsheets Score

7 427

Writing Score

7 534

### Digital Content Creation

6 045

Photo Editing Score

7 201

Rendering and Visualization Score

4 677

Video Editing Score

6 564

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-18 11:09:53.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 562

### Essentials

10 684

Apps Start-up score

15 627

Video Conferencing Score

7 886

Web Browsing Score

9 899

### Productivity

7 222

Spreadsheets Score

7 322

Writing Score

7 125

### Digital Content Creation

6 049

Photo Editing Score

7 389

Rendering and Visualization Score

4 618

Video Editing Score

6 488

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-18 11:13:12.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

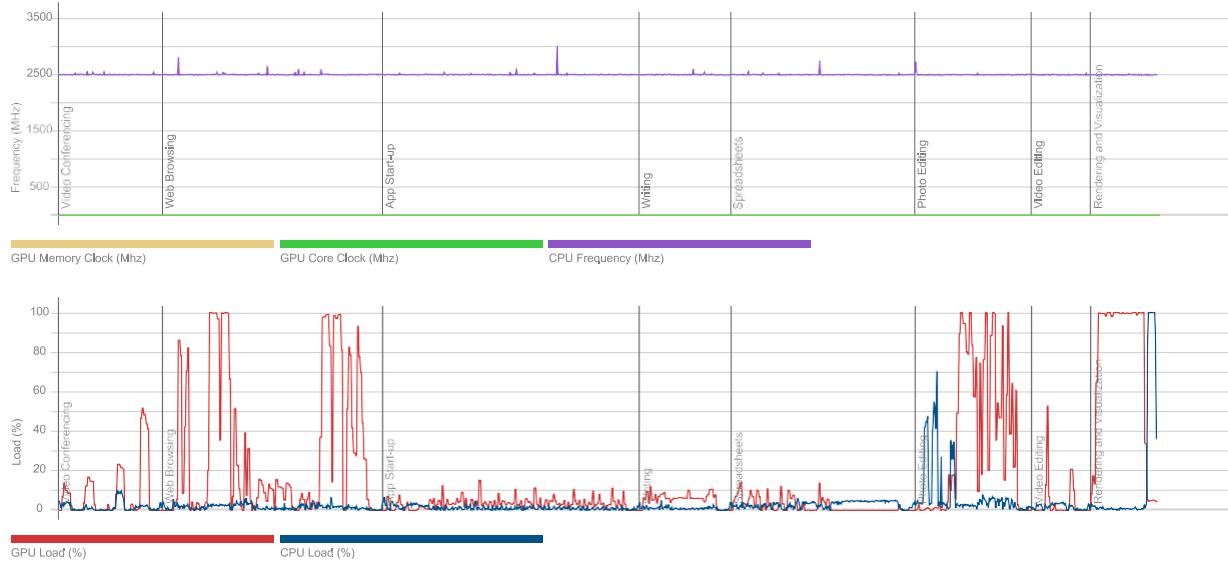
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 574

### Essentials

10 696

Apps Start-up score

15 639

Video Conferencing Score

7 898

Web Browsing Score

9 911

### Productivity

7 234

Spreadsheets Score

7 334

Writing Score

7 137

### Digital Content Creation

6 061

Photo Editing Score

7 401

Rendering and Visualization Score

4 630

Video Editing Score

6 500

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-22 10:19:39.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

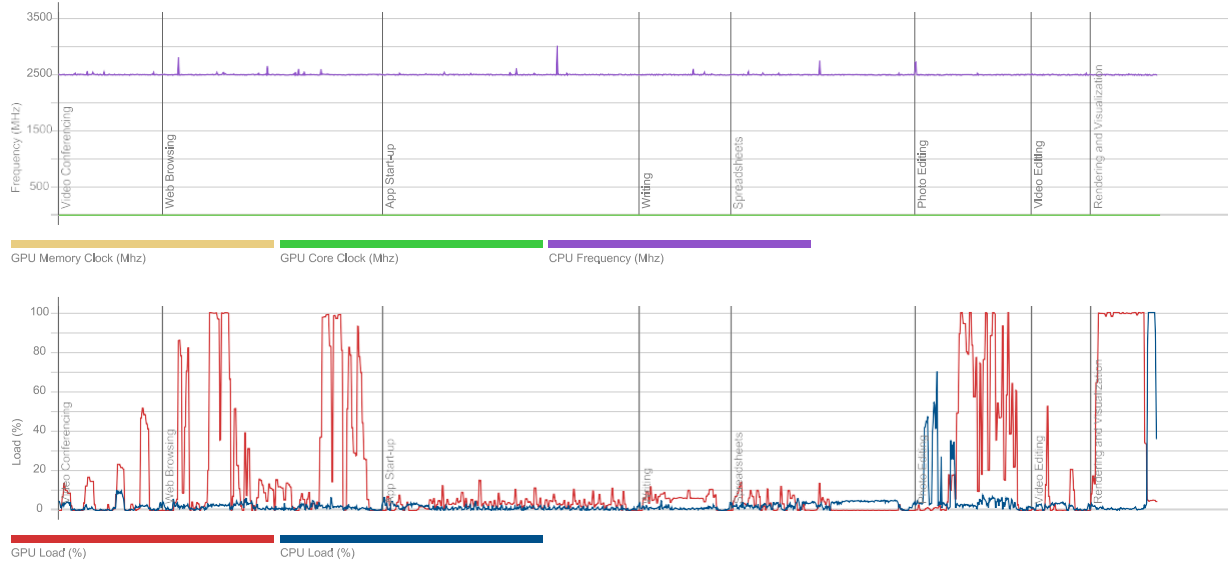
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 536

### Essentials

10 473

Apps Start-up score

14 848

Video Conferencing Score

7 709

Web Browsing Score

10 036

### Productivity

7 250

Spreadsheets Score

7 357

Writing Score

7 145

### Digital Content Creation

6 066

Photo Editing Score

7 135

Rendering and Visualization Score

4 719

Video Editing Score

6 631

### Validation

VALID

### Run information

Result name

DESKTOP-TESE62F\_2024-01-17 08:41:30.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 53 s

Id

ab8d710a-e83d-4131-a8ee-e905029fa91c

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4460 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 575

### Essentials

10 678

Apps Start-up score

15 388

Video Conferencing Score

7 878

Web Browsing Score

10 046

### Productivity

7 193

Spreadsheets Score

7 271

Writing Score

7 116

### Digital Content Creation

6 115

Photo Editing Score

7 146

Rendering and Visualization Score

4 790

Video Editing Score

6 683

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-19 14:38:47.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 581

### Essentials

10 565

Apps Start-up score

14 885

Video Conferencing Score

7 835

Web Browsing Score

10 113

### Productivity

7 339

Spreadsheets Score

7 366

Writing Score

7 313

### Digital Content Creation

6 086

Photo Editing Score

7 160

Rendering and Visualization Score

4 725

Video Editing Score

6 666

### Validation

VALID

### Run information

Result name

DESKTOP-TLQS34Q\_2024-01-17 11:06:11.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 0 s

Id

3aa20cb6-1504-4b65 9106-11c4bb9cfe43

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3253 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 569

### Essentials

10 672

Apps Start-up score

15 382

Video Conferencing Score

7 872

Web Browsing Score

10 040

### Productivity

7 187

Spreadsheets Score

7 265

Writing Score

7 110

### Digital Content Creation

6 109

Photo Editing Score

7 140

Rendering and Visualization Score

4 784

Video Editing Score

6 677

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-18 13:38:39.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 674

### Essentials

11 028

Apps Start-up score

17 490

Video Conferencing Score

7 671

Web Browsing Score

9 998

### Productivity

7 391

Spreadsheets Score

7 367

Writing Score

7 417

### Digital Content Creation

6 083

Photo Editing Score

7 210

Rendering and Visualization Score

4 690

Video Editing Score

6 659

### Validation

VALID

### Run information

Result name

DESKTOP-VQOBQCD\_2024-01-17 18:05:35.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 35 s

Id

I0252a2c-05a7-4fe3-ac86-050c31bc0ff0

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3204 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

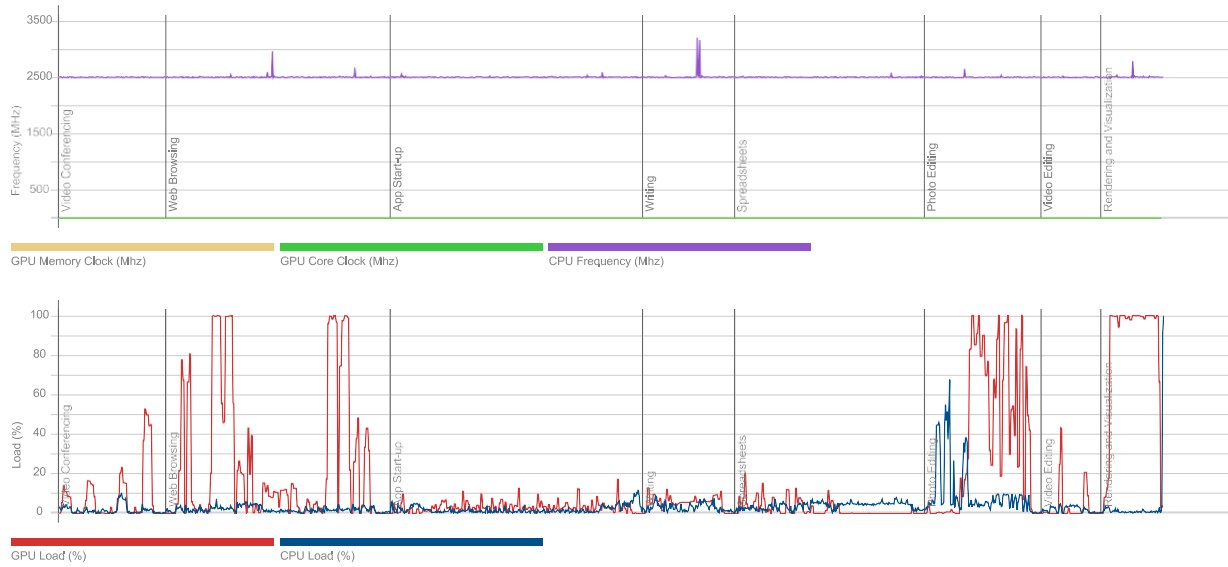
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 587

### Essentials

10 690

Apps Start-up score

15 400

Video Conferencing Score

7 890

Web Browsing Score

10 058

### Productivity

7 205

Spreadsheets Score

7 283

Writing Score

7 128

### Digital Content Creation

6 127

Photo Editing Score

7 158

Rendering and Visualization Score

4 802

Video Editing Score

6 695

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-18 10:43:12.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 604

### Essentials

10 728

Apps Start-up score

15 988

Video Conferencing Score

7 699

Web Browsing Score

10 033

### Productivity

7 341

Spreadsheets Score

7 398

Writing Score

7 286

### Digital Content Creation

6 064

Photo Editing Score

7 192

Rendering and Visualization Score

4 685

Video Editing Score

6 621

### Validation

VALID

### Run information

Result name

DESKTOP-NJBM667\_2024-01-17 11:45:09.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 49 s

Id

9994c12c-15ea-43f1-85b9-7c0bb3cece37

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4539 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

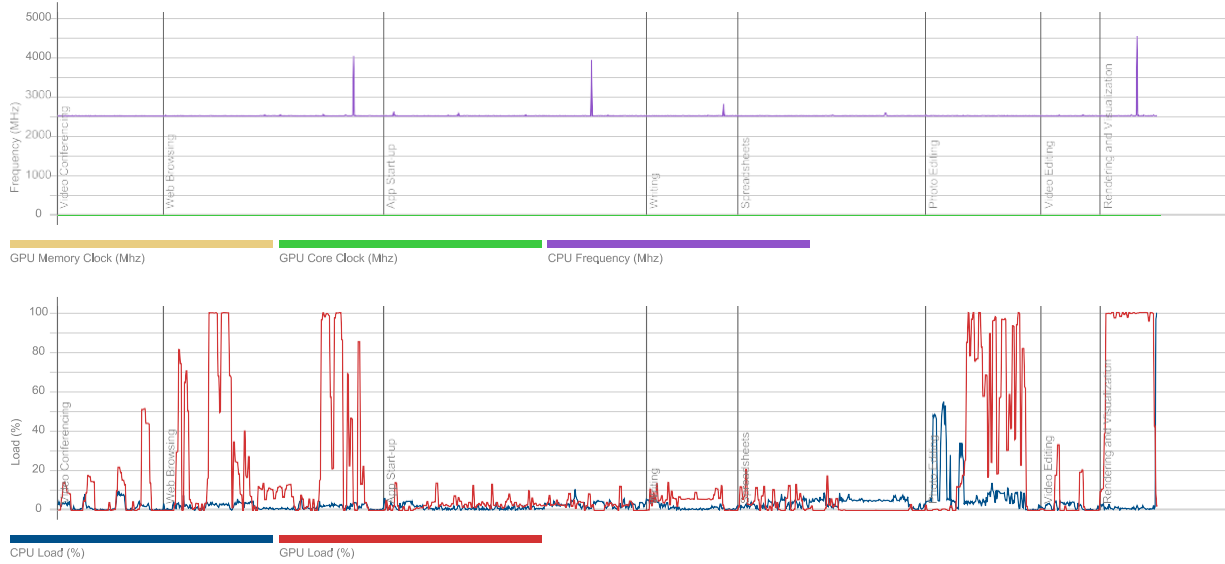
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 651

### Essentials

10 672

Apps Start-up score

15 415

Video Conferencing Score

7 817

Web Browsing Score

10 092

### Productivity

7 467

Spreadsheets Score

7 394

Writing Score

7 541

### Digital Content Creation

6 118

Photo Editing Score

7 156

Rendering and Visualization Score

4 782

Video Editing Score

6 694

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 15:38:26.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

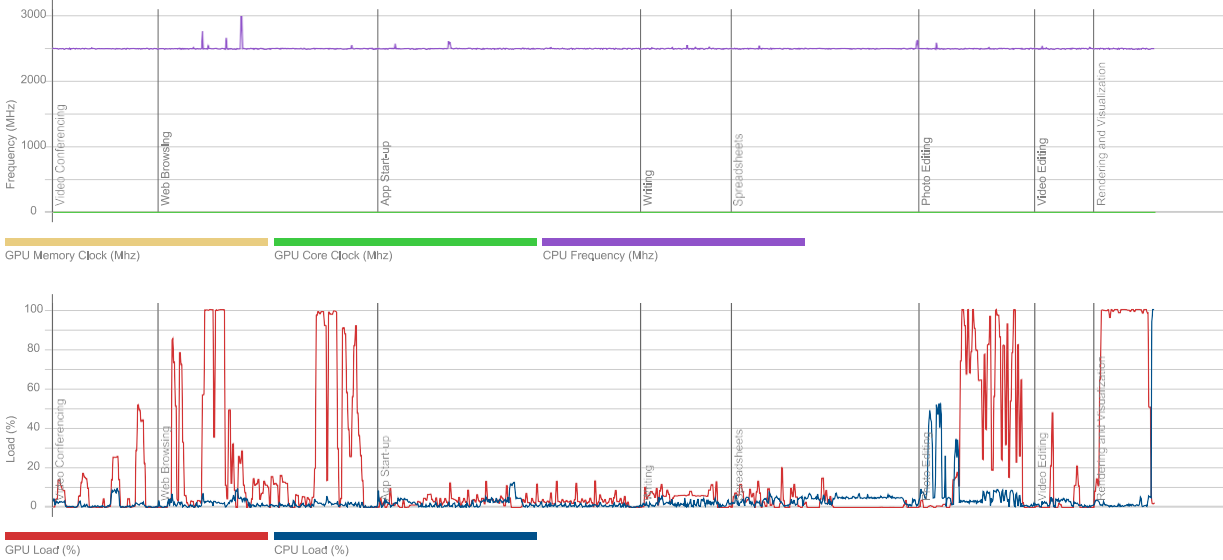
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 659

### Essentials

10 680

Apps Start-up score

15 423

Video Conferencing Score

7 825

Web Browsing Score

10 100

### Productivity

7 475

Spreadsheets Score

7 402

Writing Score

7 549

### Digital Content Creation

6 126

Photo Editing Score

7 164

Rendering and Visualization Score

4 790

Video Editing Score

6 702

### Validation

VALID

### Run information

Result name

USER\_2024-01-19 10:09:47.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

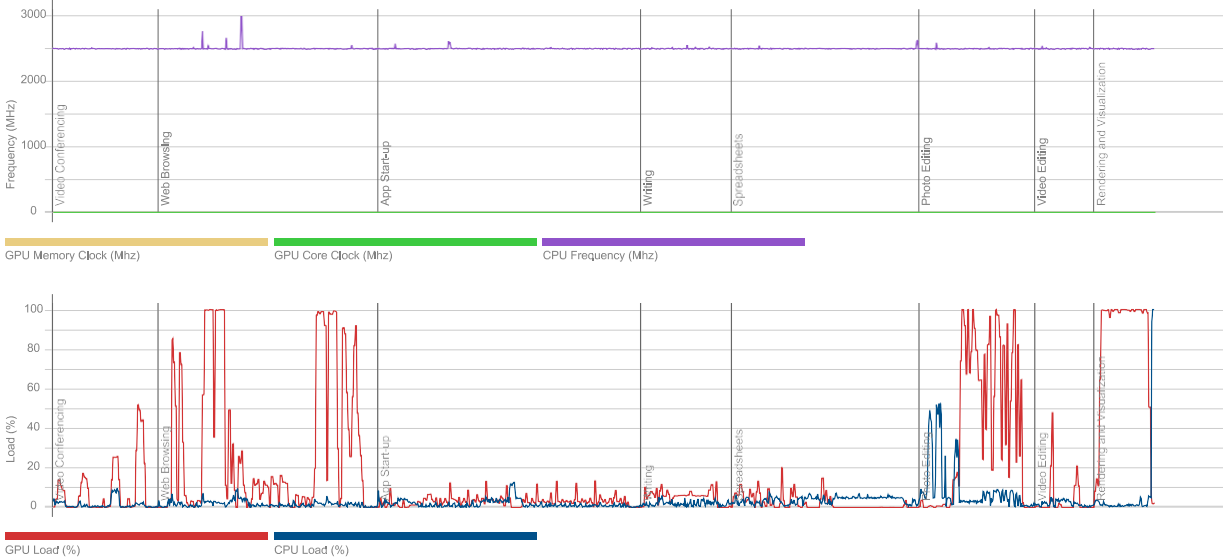
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 667

### Essentials

10 688

Apps Start-up score

15 431

Video Conferencing Score

7 833

Web Browsing Score

10 108

### Productivity

7 483

Spreadsheets Score

7 410

Writing Score

7 557

### Digital Content Creation

6 134

Photo Editing Score

7 172

Rendering and Visualization Score

4 798

Video Editing Score

6 710

### Validation

VALID

### Run information

Result name

USER\_2024-01-17 16:05:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

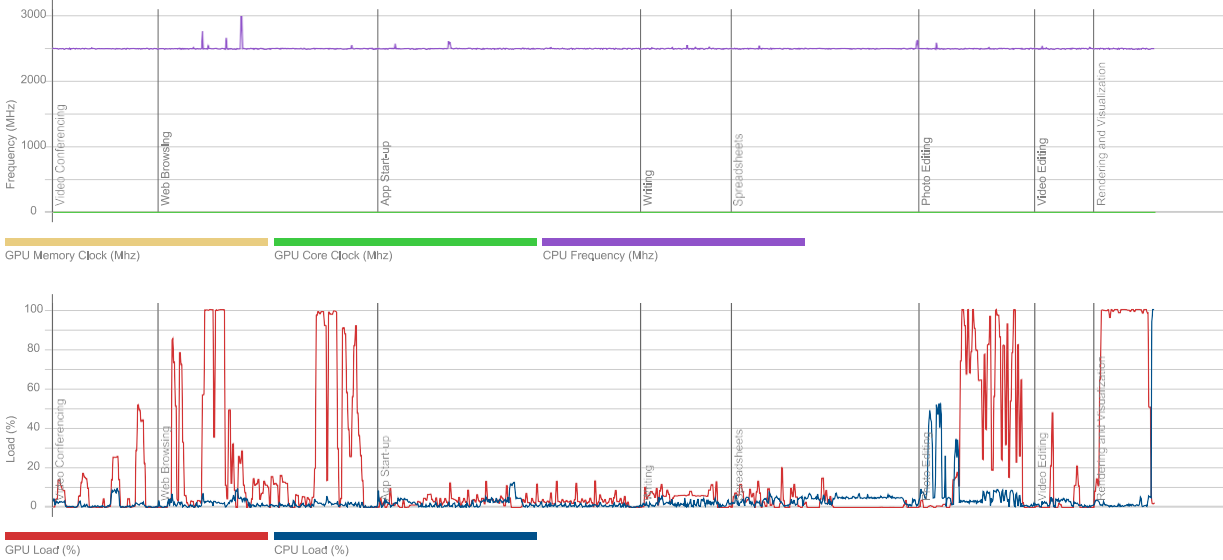
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 656

### Essentials

10 816

Apps Start-up score

16 239

Video Conferencing Score

7 736

Web Browsing Score

10 077

### Productivity

7 383

Spreadsheets Score

7 396

Writing Score

7 372

### Digital Content Creation

6 136

Photo Editing Score

7 227

Rendering and Visualization Score

4 756

Video Editing Score

6 716

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-18 16:54:20.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

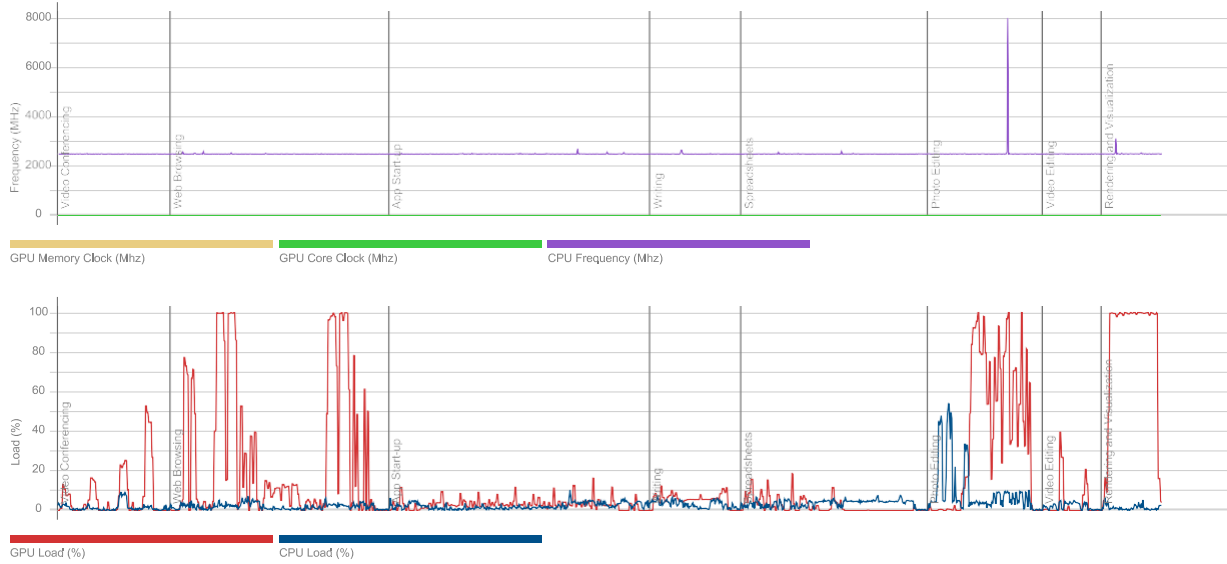
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 614

### Essentials

10 664

Apps Start-up score

15 809

Video Conferencing Score

7 685

Web Browsing Score

9 983

### Productivity

7 413

Spreadsheets Score

7 379

Writing Score

7 449

### Digital Content Creation

6 074

Photo Editing Score

7 174

Rendering and Visualization Score

4 711

Video Editing Score

6 631

### Validation

VALID

### Run information

Result name

DESKTOP-KR9TGJN\_2024-01-17 15:26:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 36 s

Id

316e14e7-2bc5-4d44-bf16-aec5d0e226b8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	92890 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1020 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 663

### Essentials

10 823

Apps Start-up score

16 246

Video Conferencing Score

7 743

Web Browsing Score

10 084

### Productivity

7 390

Spreadsheets Score

7 403

Writing Score

7 379

### Digital Content Creation

6 143

Photo Editing Score

7 242

Rendering and Visualization Score

4 763

Video Editing Score

6 723

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-19 09:54:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

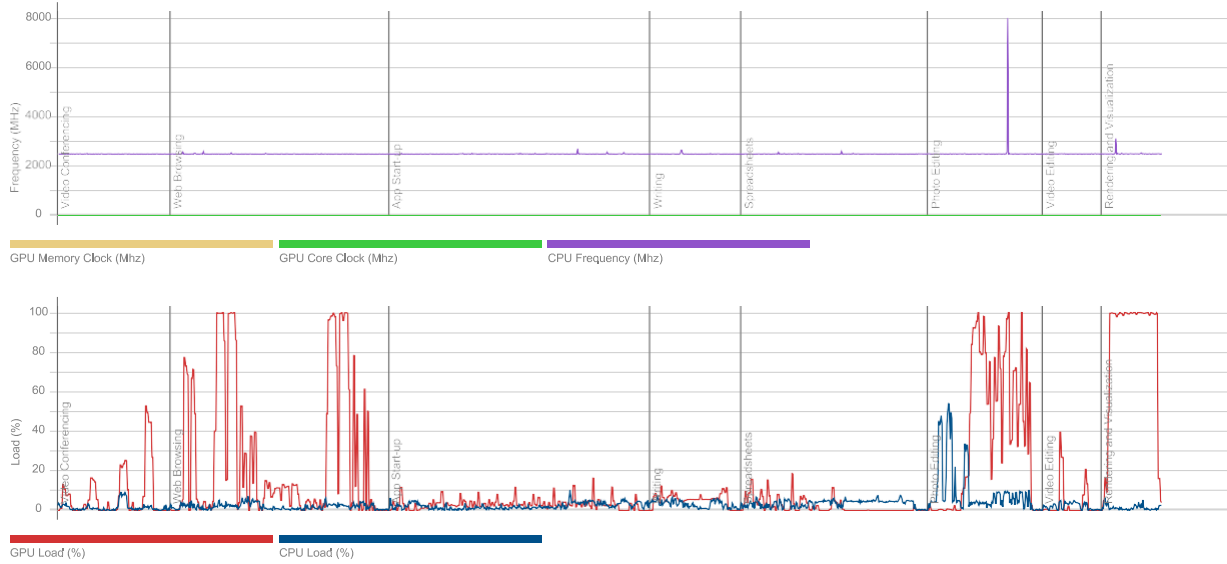
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 674

### Essentials

10 834

Apps Start-up score

16 257

Video Conferencing Score

7 754

Web Browsing Score

10 095

### Productivity

7 401

Spreadsheets Score

7 414

Writing Score

7 390

### Digital Content Creation

6 154

Photo Editing Score

7 253

Rendering and Visualization Score

4 774

Video Editing Score

6 734

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-18 17:08:45.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

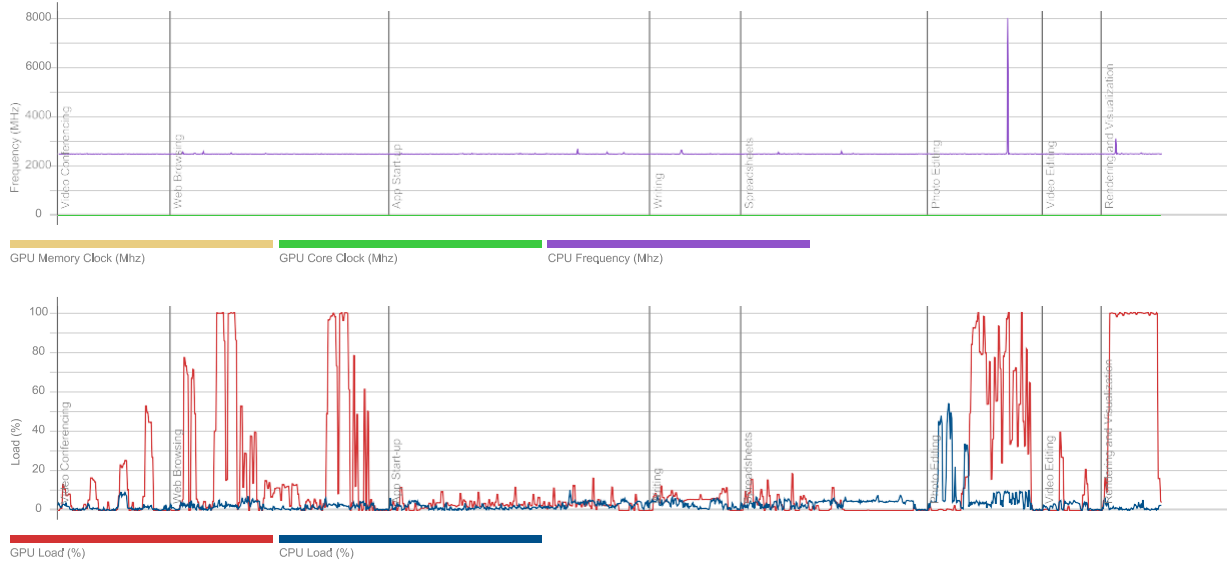
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 710

### Essentials

11 216

Apps Start-up score

17 235

Video Conferencing Score

8 129

Web Browsing Score

10 071

### Productivity

7 543

Spreadsheets Score

7 447

Writing Score

7 641

### Digital Content Creation

5 974

Photo Editing Score

7 072

Rendering and Visualization Score

4 700

Video Editing Score

6 415

### Validation

VALID

### Run information

Result name

DESKTOP-LC8PQBN\_2024-01-17 18:55:30.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

27 m 26 s

Id

6277db92-6148-4585-a7e9-3829af60e65d

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	6782 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

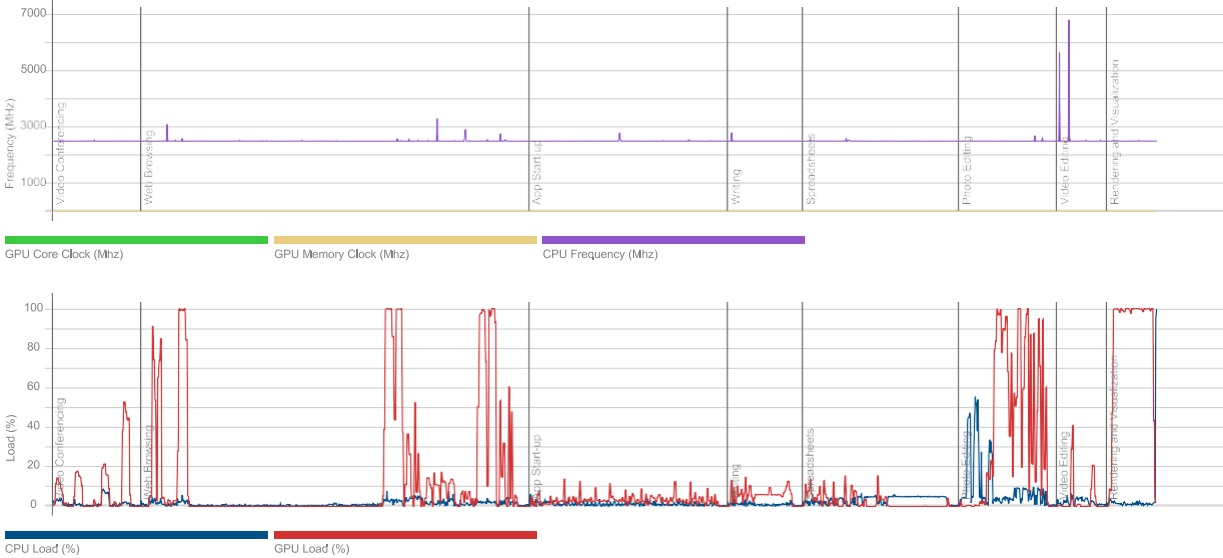
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 556

### Essentials

10 377

Apps Start-up score

14 684

Video Conferencing Score

7 757

Web Browsing Score

9 811

### Productivity

7 450

Spreadsheets Score

7 397

Writing Score

7 504

### Digital Content Creation

6 015

Photo Editing Score

7 171

Rendering and Visualization Score

4 647

Video Editing Score

6 534

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-18 10:37:12.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 568

### Essentials

10 389

Apps Start-up score

14 696

Video Conferencing Score

7 769

Web Browsing Score

9 823

### Productivity

7 462

Spreadsheets Score

7 409

Writing Score

7 516

### Digital Content Creation

6 027

Photo Editing Score

7 183

Rendering and Visualization Score

4 659

Video Editing Score

6 546

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-22 10:03:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

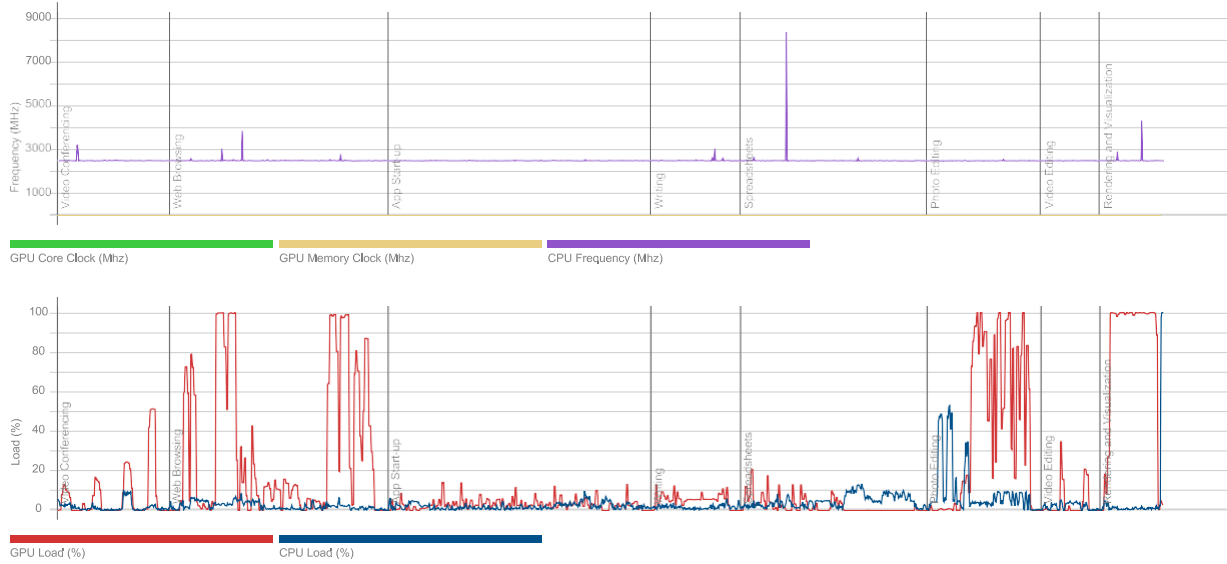
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 615

### Essentials

10 741

Apps Start-up score

16 309

Video Conferencing Score

7 671

Web Browsing Score

9 907

### Productivity

7 392

Spreadsheets Score

7 262

Writing Score

7 525

### Digital Content Creation

6 051

Photo Editing Score

7 125

Rendering and Visualization Score

4 718

Video Editing Score

6 592

### Validation

VALID

### Run information

Result name

DESKTOP-MPNM57N\_2024-01-17 13:49:18.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 51 s

Id

ae62c935-9bb9-44d5-93e7-7a69481c4596

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	4168 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

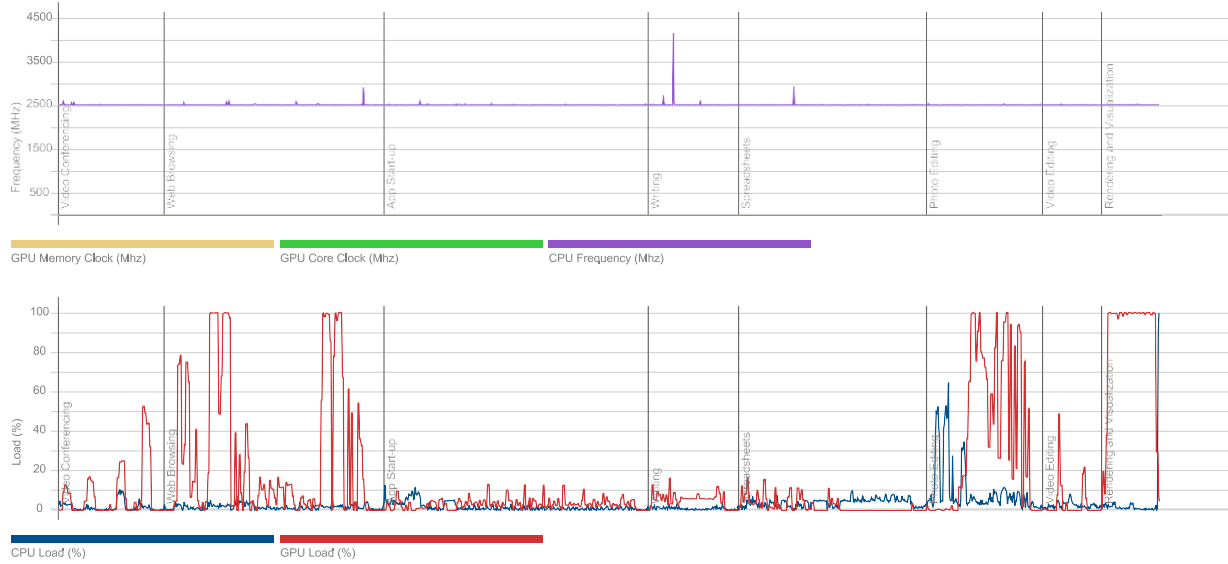
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (423 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (NTFS) 111 GB (66.1 GB free)

## Hardware monitoring



## PCMark 10

5 574

### Essentials

10 395

Apps Start-up score

14 702

Video Conferencing Score

7 775

Web Browsing Score

9 829

### Productivity

7 468

Spreadsheets Score

7 415

Writing Score

7 522

### Digital Content Creation

6 033

Photo Editing Score

7 189

Rendering and Visualization Score

4 665

Video Editing Score

6 552

### Validation

VALID

### Run information

Result name

DESKTOP-7RIFAAA\_2024-01-22 10:03:36.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

23 m 4 s

Id

68561466-e030-4a33-91f0-c01d924b7baa

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8361 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

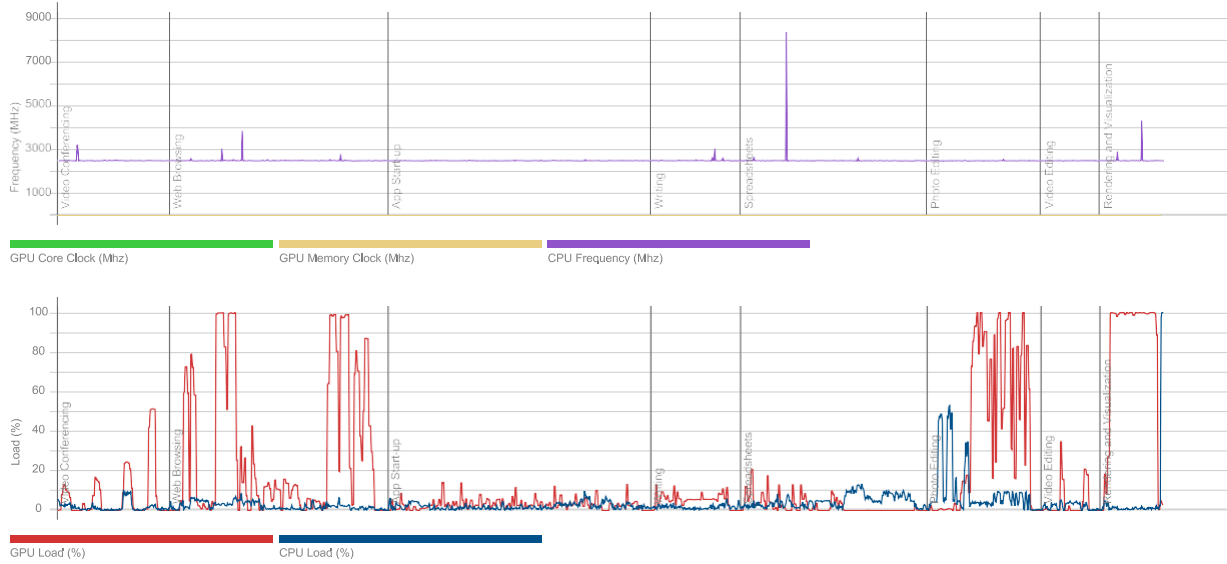
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 568

### Essentials

10 690

Apps Start-up score

15 633

Video Conferencing Score

7 892

Web Browsing Score

9 905

### Productivity

7 228

Spreadsheets Score

7 328

Writing Score

7 131

### Digital Content Creation

6 055

Photo Editing Score

7 395

Rendering and Visualization Score

4 624

Video Editing Score

6 494

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-19 11:34:26.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

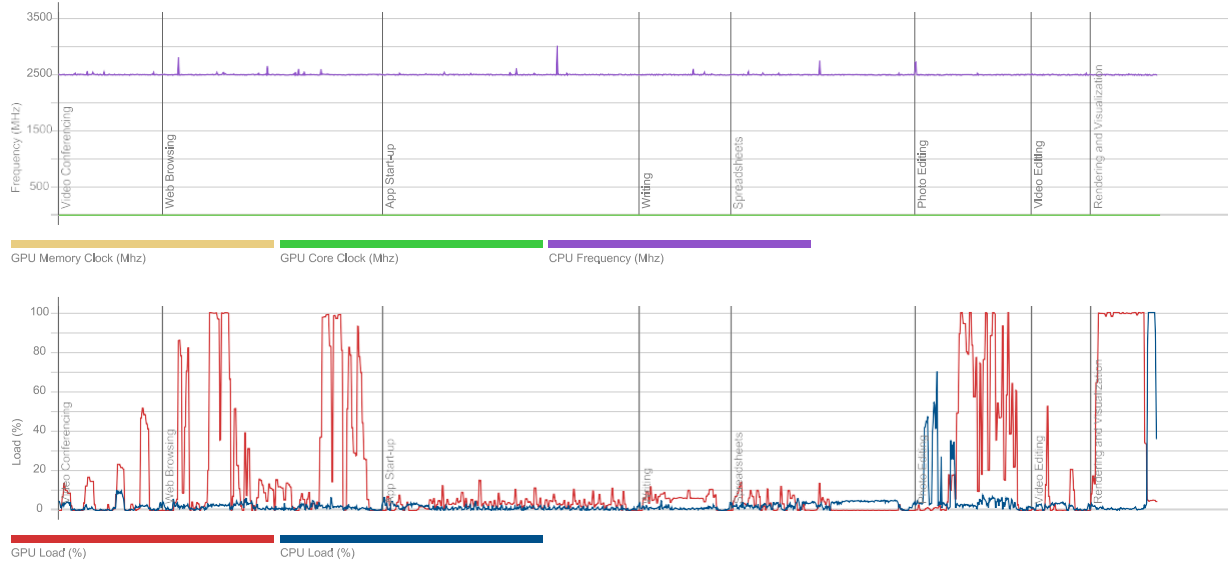
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 580

### Essentials

10 702

Apps Start-up score

15 645

Video Conferencing Score

7 904

Web Browsing Score

9 917

### Productivity

7 240

Spreadsheets Score

7 340

Writing Score

7 143

### Digital Content Creation

6 067

Photo Editing Score

7 407

Rendering and Visualization Score

4 636

Video Editing Score

6 506

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-17 10:16:47.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

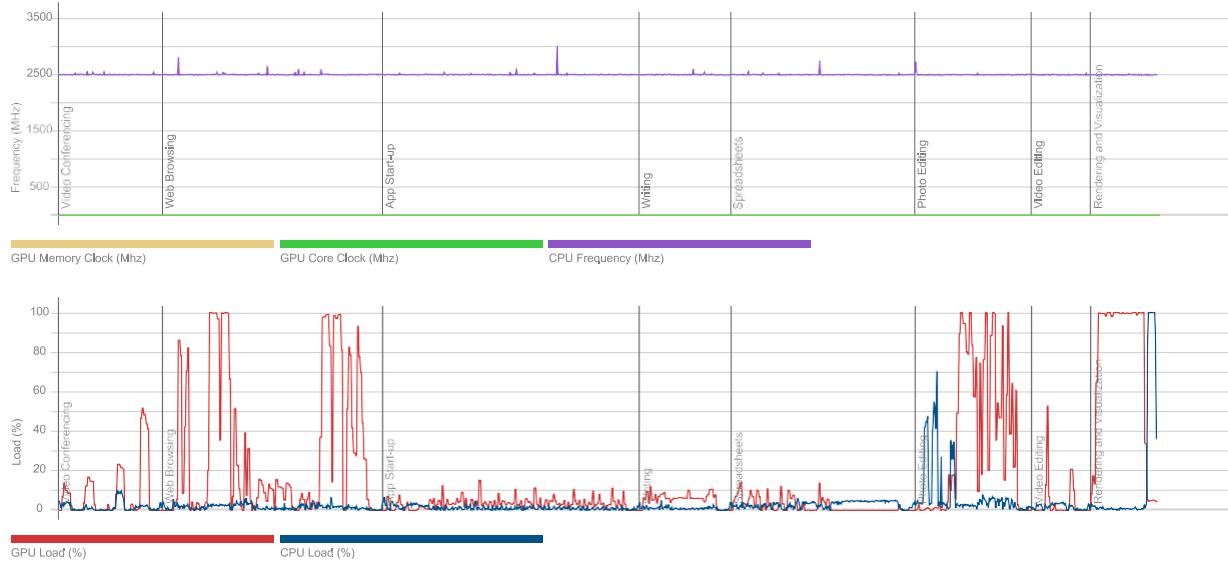
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 586

### Essentials

10 708

Apps Start-up score

15 651

Video Conferencing Score

7 910

Web Browsing Score

9 923

### Productivity

7 246

Spreadsheets Score

7 346

Writing Score

7 149

### Digital Content Creation

6 073

Photo Editing Score

7 413

Rendering and Visualization Score

4 642

Video Editing Score

6 512

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-18 13:09:47.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

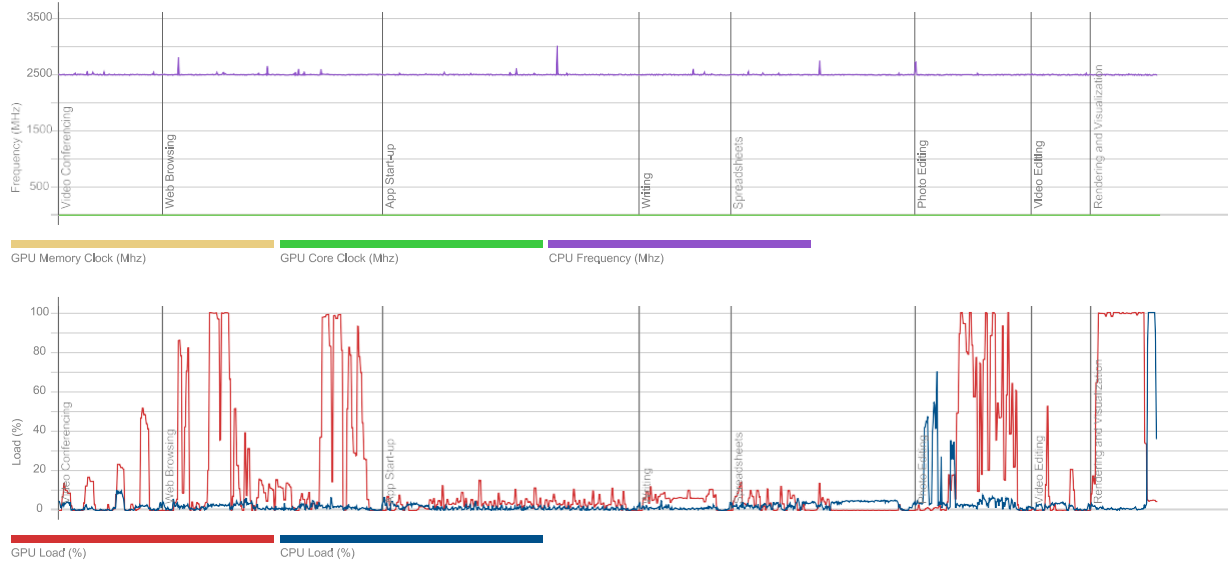
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 592

### Essentials

10 714

Apps Start-up score

15 657

Video Conferencing Score

7 916

Web Browsing Score

9 929

### Productivity

7 252

Spreadsheets Score

7 352

Writing Score

7 155

### Digital Content Creation

6 079

Photo Editing Score

7 419

Rendering and Visualization Score

4 648

Video Editing Score

6 518

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-19 14:17:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

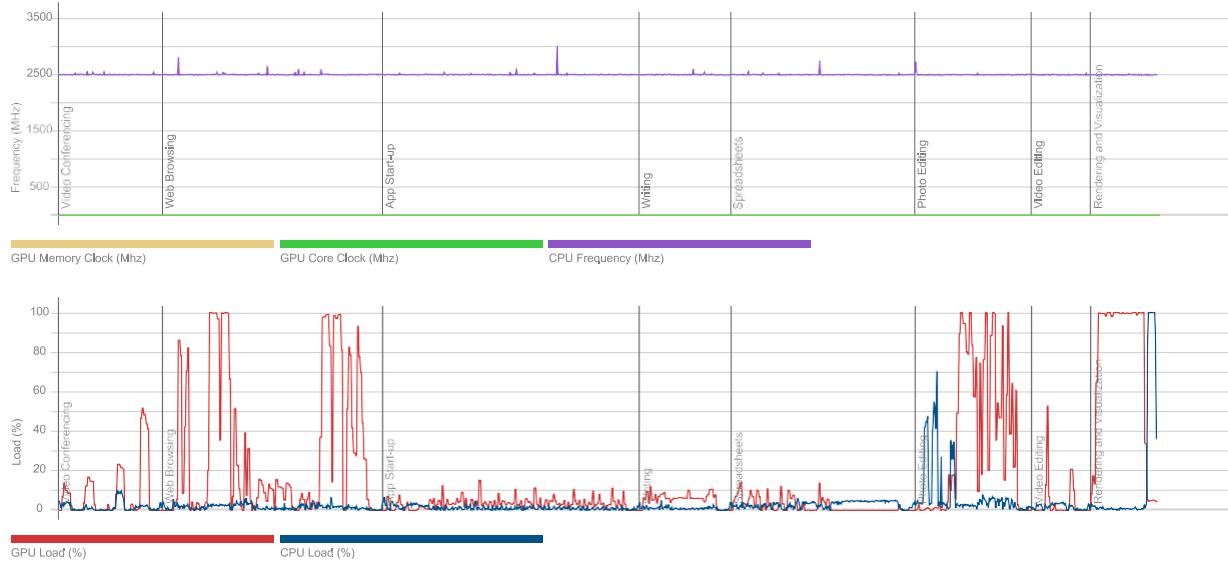
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 581

### Essentials

10 684

Apps Start-up score

15 394

Video Conferencing Score

7 884

Web Browsing Score

10 052

### Productivity

7 199

Spreadsheets Score

7 277

Writing Score

7 122

### Digital Content Creation

6 121

Photo Editing Score

7 152

Rendering and Visualization Score

4 796

Video Editing Score

6 689

### Validation

VALID

### Run information

Result name

DESKTOP-9SAN10I\_2024-01-22 10:31:56.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 22 2024

Duration

22 m 51 s

Id

275eb29d-fb0f-41b8-b4a7-d58430344ee8

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3388 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 643

### Essentials

10 664

Apps Start-up score

15 407

Video Conferencing Score

7 809

Web Browsing Score

10 084

### Productivity

7 459

Spreadsheets Score

7 386

Writing Score

7 533

### Digital Content Creation

6 110

Photo Editing Score

7 148

Rendering and Visualization Score

4 774

Video Editing Score

6 686

### Validation

VALID

### Run information

Result name

USER\_2024-01-19 10:22:26.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 19 2024

Duration

22 m 51 s

Id

9b8bacc8-44f3-4675-8a77-dfceb701b73

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	2990 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

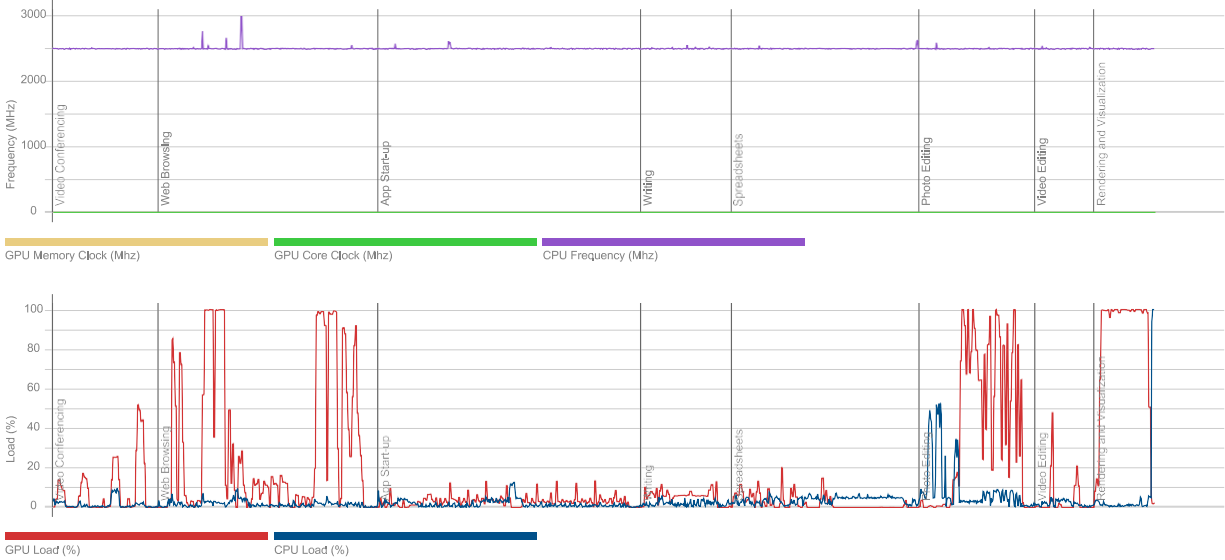
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (422 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	F: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 648

### Essentials

10 808

Apps Start-up score

16 231

Video Conferencing Score

7 728

Web Browsing Score

10 069

### Productivity

7 375

Spreadsheets Score

7 388

Writing Score

7 364

### Digital Content Creation

6 128

Photo Editing Score

7 227

Rendering and Visualization Score

4 748

Video Editing Score

6 708

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-17 16:15:20.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

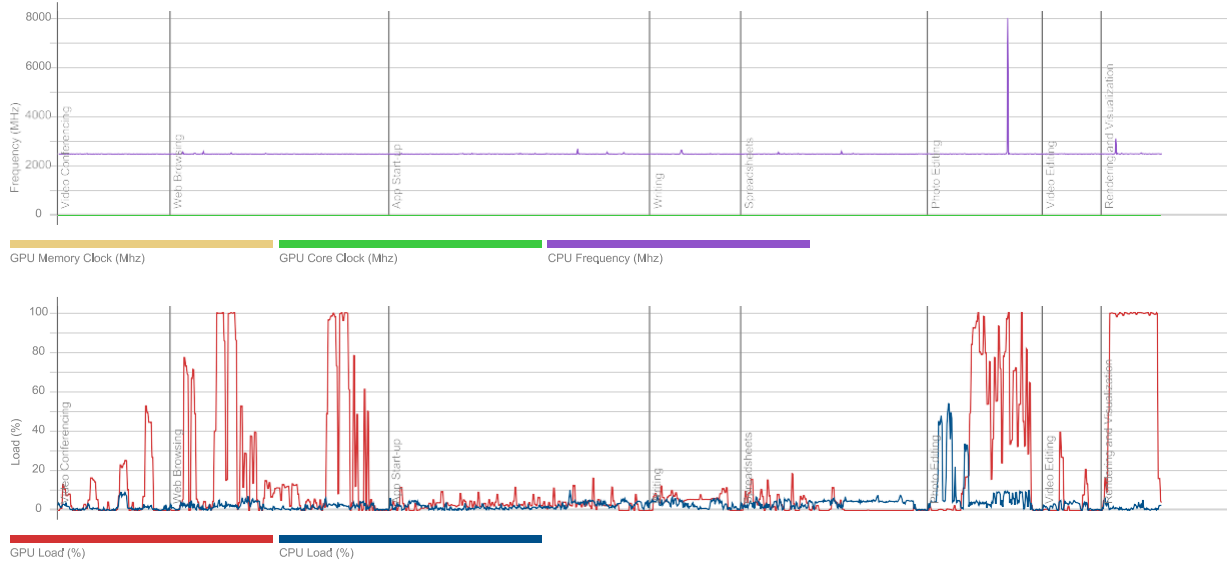
<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring



## PCMark 10

5 556

### Essentials

10 678

Apps Start-up score

15 621

Video Conferencing Score

7 880

Web Browsing Score

9 893

### Productivity

7 216

Spreadsheets Score

7 316

Writing Score

7 119

### Digital Content Creation

6 043

Photo Editing Score

7 383

Rendering and Visualization Score

4 612

Video Editing Score

6 482

### Validation

VALID

### Run information

Result name

DESKTOP-LA6DB2C\_2024-01-17 15:45:05.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 17 2024

Duration

23 m 9 s

Id

09fd4d1b-0fbc-4164-a685-a0846fef4bed

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	3017 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

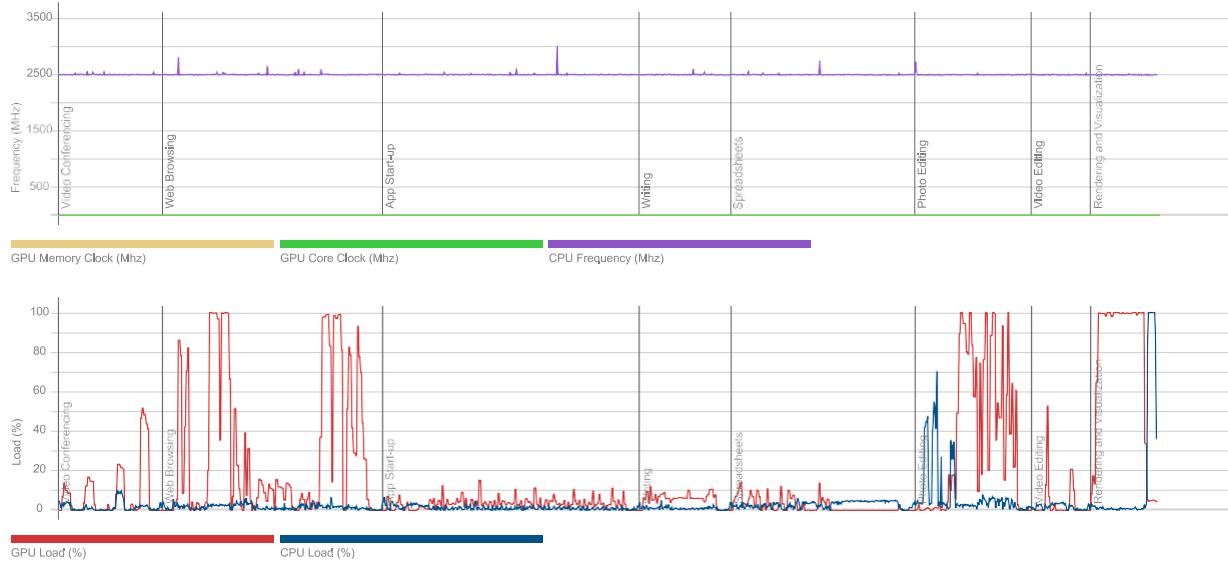
### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)

## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (406 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)

## Hardware monitoring



## PCMark 10

5 669

### Essentials

10 829

Apps Start-up score

16 252

Video Conferencing Score

7 749

Web Browsing Score

10 090

### Productivity

7 396

Spreadsheets Score

7 409

Writing Score

7 385

### Digital Content Creation

6 149

Photo Editing Score

7 248

Rendering and Visualization Score

4 769

Video Editing Score

6 729

### Validation

VALID

### Run information

Result name

DESKTOP-O8TJH08\_2024-01-18 08:09:27.0

### Result details

SystemInfo Version

5.30.850

UI Version

2.1.2506 64

Test Version

1.0

Date

January 18 2024

Duration

22 m 54 s

Id

4142510c-82e6-4327-a634-b4394eb6f640

### Test settings

Default settings used

Yes

### Additional output

Video Conferencing

Video Encoder, Intel® Quick Sync Video H.264 Encoder MFT

Video Conferencing

OpenCL, Intel(R) UHD Graphics 770

Spreadsheets

OpenCL, CPU

Photo Editing

OpenCL, Intel(R) UHD Graphics 770

Video Editing

OpenCL, Intel(R) UHD Graphics 770

## System details

### General

<b>Operating System</b>	Windows 10 Pro 64-bit 10.0.22621
<b>Motherboard</b>	HP 8ACE
<b>Memory</b>	16054 MB
<b>BIOS</b>	HP U13 Ver. 02.11.03
<b>System Drive Model</b>	
<b>Resolution</b>	1920 x 1080 px
<b>Power plan</b>	HP Optimized (Modern Standby)

### Processor

<b>CPU</b>	13th Gen Intel(R) Core(TM) i5-13500
<b>Clock Frequency</b>	2500 MHz
<b>Max Frequency</b>	8023 MHz
<b>Processors</b>	1
<b>Cores</b>	14 (20)
<b>Package</b>	

### Graphic adapters

<b>GPU</b>	Intel(R) UHD Graphics 770
<b>Manufacturer</b>	Intel
<b>Dedicated Video Memory</b>	
<b>Total Available Graphics Memory</b>	8027 MB
<b>Core Clock</b>	
<b>Boost Clock</b>	
<b>Memory Clock</b>	
<b>Driver Version</b>	31.0.101.4502
<b>Display 1</b>	\\.\DISPLAY1 (1920 x 1080, 100% DPI scaling)



## Storage devices

<b>Drive 0</b>	476 GB
<b>Drive model</b>	SAMSUNG MZVL4512HBLU-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	260 MB
<b>Partition 1</b>	C: (NTFS) 475 GB (429 GB free)
<b>Partition 2</b>	1021 MB
<b>Drive 1</b>	953 GB
<b>Drive model</b>	SAMSUNG MZVL41T0HBLB-00BHI
<b>Drive type</b>	SSD
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	D: (NTFS) 953 GB (953 GB free)
<b>Drive 2</b>	111 GB
<b>Drive model</b>	JMicron Generic SCSI Disk Device
<b>Drive type</b>	
<b>External drive</b>	No (SCSI)
<b>Partition 0</b>	E: (exFAT) 111 GB (103 GB free)
<b>Partition 1</b>	32.0 MB

## Hardware monitoring

