

## DELL Precision 3590 Intel Core Ultra 7 155H Mobiilityöasema 39,6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Harmaa

Tuotemerkki : DELL Tuoteperhe: Precision Tuotekoodi: H3JYH

Tuotteen nimi: 3590

DELL Precision 3590. Tuotetyyppi: Mobiilityöasema, Kotelo: Simpukka. Suoritinperhe: Intel Core Ultra 7, Prosessorimalli: 155H. Näytön halkaisija: 39,6 cm (15.6"), HD-tyyppi: Full HD, Näytön erottelutarkkuus: 1920 x 1080 pikseliä. Sisäinen muisti: 32 GB, Sisäisen muistin tyyppi: DDR5-SDRAM. Kokonaistallennuskapasiteetti: 1 TB, Tallennusmedia: SSD. Sisältyvän näytönohjaimen malli: Intel Arc Graphics, Erillisen näytönohjaimen malli: NVIDIA RTX 500 Ada. Käyttöjärjestelmä asennettu: Windows 11 Pro. Tuotteen väri: Harmaa





Design		Camera	
Product type * Product colour * Form factor * Market positioning Intel® vPro™ Platform Eligibility	Mobile workstation Grey Clamshell Business	Front camera resolution Front camera HD type Video capturing speed Privacy camera Privacy type	1920 x 1080 pixels Full HD 30 fps  ✓ Privacy shutter
Display		Network	
Display diagonal * Display resolution * Touchscreen * HD type Panel type LED backlight Native aspect ratio Anti-glare screen Display brightness Pixel density Display diagonal (metric) RGB colour space Colour gamut Maximum refresh rate	39.6 cm (15.6") 1920 x 1080 pixels  X Full HD IPS  16:9  250 cd/m² 141 ppi 39.6 cm NTSC 45% 60 Hz	Top Wi-Fi standard * Wi-Fi standards  Mobile network connection * Wi-Fi data rate (max) Antenna type WLAN controller model WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates Bluetooth MIMO MIMO type	Wi-Fi 6E (802.11ax) 802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)   2400 Mbit/s 2x2 Intel Wi-Fi 6E AX211 Intel  10,100,1000 Mbit/s  Multi User MIMO
Contrast ratio (typical)	700:1	Ports & interfaces	
Processor  Processor manufacturer *  Processor family *  Processor generation  Processor model *  Processor cores	Intel Intel Core Ultra 7 Intel® Core™ Ultra (Series 1) 155H 16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * HDMI version Thunderbolt 4 ports quantity Intel® Thunderbolt 4	2 1 1 2.1 2

Processor breads   2	_			
Piccessor based frequency         4.6 GHz         Charging port type         USB Type-C Displayfort. Attemate         V Professor Control           Efficient cores         2         NoverShare         V Professor           Lend Nover Efficient cores         2         NoverShare         V Professor           Efficient core Max Turbor requency         4.6 GHz         Portromace Core Max Turbor Programma, Core Max Turbor Programma, Core Max Turbor Programma, Core Data Frequency         Act	Processor		Ports & interfaces	
Enformance cores			Combo headphone/mic port	✓
December   Part   Par				USB Type-C
Down Set Efficient.come				✓
Performance-one Max Turbo         4.8 GHz         Performance           Efficients core Max Turbo Frequency         3.8 GHz         Motherboard chipset         Intel SoC           Low Power Efficient-core Max Efficients core base frequency         1.4 GHz         Performance-core base frequency         Mortic           Efficient-core base frequency         1.9 GHz         Mortic         Mortic           Efficient-core base frequency         700 MHz         Mortic         Mortic           Processor cache         2 MB         Keyboard backlit         -           Processor table power         11 SW         Operating system architecture         64 UR           Neural processor unit (NPU)         Intel Al Boost         Operating system installed         Mol Microsoft Office License included           Al databys support on NPU         Intel Al Boost         Operating system installed         Microsoft Office License included           Al databys support on NPU         PLA, FP32, Int8         Battery         Al databys system installed         Microsoft Office License included           <				
Frequency		_		•
Low Power Efficient-core Max Turbo Frequency Performance-core base frequency Efficient-core base frequency Low Power Efficient-Core Base Efficient-core base frequency Low Power Efficient-Core Base Processor cache Pr		4.8 GHz		
Feequency   2.5 GHz   Feequency   1.4 GHz   Performance core base frequency   0.9 GHz   Performance core base power   24 W   Processor cache byte   Smart Cache   Reyboard backlit   Performance core base power   28 W   Performance core base power   29 Geralmance core base power   29 G	Efficient-core Max Turbo Frequency	3.8 GHz	Motherboard chipset	Intel SoC
Performance-ore base frequency   1.4 GHz		2.5 GHz	Ambient light sensor	✓
Efficiency Care Base Frequency         0.9 GHz         Pointing device (Reyboard language)         Touchgrape         Touchgrape         Touchgrape         Touchgrape         Processor cache         2 M Mare         Keyboard namber of keys         2 M Condition         Processor cache         2 M M Mare         Processor cache type         2 M M M M M M M M M M M M M M M M M M M	• •		Keyboard	
Low Power Efficiency core Base   Popular   Nordic   Nor			Pointing device	Touchpad
Frequency         700 Mm2         Numeric keypad *         */           Processor cache         24 MB         Keyboard backlit         */           Processor cache type         5mart Cache         Keyboard hacklit         */           Neural processor unit (NPU)         115 W         Software         64-bit           Neural processor unit (NPU)         11 d Bost         Operating system architecture         64-bit           Neural processor unit (NPU)         11 d GHz         Trial software         30 day Trial Offer Cinly           Neural processor unit (NPU)         14 d GHz         No Microsoft Office License Included 30 day Trial Offer Cinly           Maximum frequency NPU         14 d GHz         No Microsoft Office License Included 30 day Trial Offer Cinly           Vindows Studio effects support         /         Operating system installed **         Windows 11 Pro           Al datalyse support on NPU         P16, FP32, Int8         Battery         Windows 11 Pro           Al datalyse support on NPU         P16, FP32, Int8         Battery         Study 11 A V           Internal memory ** (Internal memory **)         DDR5-SDRAM         Fast charging         2         4 h           Memory form factor         SOD.DIMM         Battery verbage time         4 h         4 h           Memory form factor		0.9 GHZ	-	·
Processor cache type         Smart Cache         Keyboard number of keys         100           Processor base power         28 W         Software           Neural processor unit (NPU)         Intel Al Boost         Operating system architecture         64-bit           Neural processor unit (NPU)         Intel Al Boost         Operating system language         Swedish, English, Finnish, Norwagian, Swedish and Swedi		700 MHz	Numeric keypad *	✓
Processor cache type         Smart Cache         Keybaard number of keys         100           Processor base power         28 W         Software           Neural processor unit (NPU)         Intel Al Boost         Operating system language         64-bit           Neural processor unit (NPU)         1.4 GHz         Operating system language         Challed Swedish           Maximum frequency NPU         1.4 GHz         Trial software         30 day Trial Offer Chiy           Windows Studio effects support         /         Operating system installed         30 day Trial Offer Chiy           Al datatype support on NPU         FP16, FP32, Int8         Battery           Al software frameworks supported by NPU         PP16, FP32, Int8         Battery           Memory         Intend memory         Intend memory         Battery capacity         54 Wh           Internal memory softs         DDR5-SDRAM         Battery recharge time         14 A           Memory form factor         SO-DIMM         Battery recharge time         14 A           Memory form factor         SO-DIMM         Ac adapter prover         130 W           Memory form factor         SO-DIMM         Ac adapter frequency         5006 Hz           Memory slots         Ac adapter frequency         5006 Hz         Ac adapter frequency	Processor cache	24 MB	Keyboard backlit	<b>√</b>
Processor base power         28 W           Maximum turbo power         115 W         Operating system architecture         64-bit Danish, English, Finnish, Norwegian, Swedish           Neural processor unit (NPU)         Intel Al Boost         Operating system language         Abmiss, English, Finnish, Norwegian, Swedish           Sparsity support         ✓         Operating system language         No Microsoft office License Included 30 day Trial Offer Only           Al software frameworks supported by NPU         ✓         PF16, FP32, Int8         Battery         Windows 11 Pro           Al software frameworks supported by NPU         PF16, FP32, Int8         Battery voltage         11 4 V           Memory         32 CB         Battery voltage         11 4 V           Internal memory by         DDR5-SDRAM         Fast charging         ✓           Memory fractor         SO-DIMM         As attery weight         220 g           Memory slots         Sx SC-DIMM         Ac adapter power         130 W           Maximum internal memory by         64 GB         Ac adapter frequency         50/60 Hz           Memory data transfer rate         5800 MT/s         Ac adapter input voltage         100 - 240 V           Non-ECC         V         USB Charging current         6.5 A           Storage         1TB <t< td=""><td>Processor cache type</td><td>Smart Cache</td><td>•</td><td>100</td></t<>	Processor cache type	Smart Cache	•	100
Neural processor unit (NPU)   Neural processor unit (NPU)   Intel Al Boost   Operating system language   Operating Operating Operating System language   Operating Operati	Processor base power	28 W		
Neural processor unit (NPU)  Maximum frequency NPU  1.4 Ghtz Sparsity support  V Operating system language  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Offer Only Windows \$11 Pro  No Microsoft Office License Included 30 day Trial Software  Al datatyse support on NPU  Number of battery cells  Battery capacity* \$54 Wh  Battery capacity* \$54 Wh  Battery capacity* \$54 Wh  Battery recharge time \$4 th  1.1 A V  1.2 A dapter prevent \$1.1 A V  1.2 A dapter input voltage \$1.0 O 2.0 V  1.2 A dapter input voltage \$1.0 O 2.0 V  1.2 B A very Policy Voltage \$1.0 O 2.0 V  1.2 B A very Po	Maximum turbo power	115 W		CA hit
Neural processor unit (NPU)         Intel Al Boost         Operating system language         Seedish           Maximum frequency NPU         1.4 GHz         Trial software         Microsoft Office License Included 30 day Trial Offer Only           Sparsify support         Y         Operating system installed*         Windows 11 Pro           Al datatype support on NPU         FP16, FP32, Int8         Battery         54 Wh           Al software frameworks supported by NPU         PF16, FP32, Int8         Number of battery cells         3           Memory         Battery voltage         54 Wh         11.4 V           Internal memory*         32 GB         Battery voltage         11.4 V           Memory form factor         SO-DIMM         Battery veight         220 g           Memory slots         2x SO-DIMM         AC adapter power         130 W           Memory slots         2x SO-DIMM         AC adapter power         100 -240 V           Memory data transfer rate         5600 MT/s         AC adapter inquiv voltage         20,5 V           Non-ECC         Y         USB charging current         5.5 A           Storage         1 TB         USB charging voltage         20,5 V           Storage media*         5 SD         5 SD         Y           Total storage capac	Neural processor unit (NPU)		Operating system architecture	
Page	Neural processor unit (NPU)	Intel Al Boost	Operating system language	
Sparsity support         V         Coperating system installed         30 day Trial Offer Only           Windows Studio effects support         V         Operating system installed         Windows 11 Pro           All datatype support on NPU         FP16, FP32, Int8         Battery         54 Wh           All software frameworks supported by NPU         DirectML, ONIX RT, OpenVINO, Windows ML         Number of battery cells         3           Memory         32 GB         Battery vecharge time         4 h           Internal memory by         DDRS-SDRAM         Fast charging         ✓           Memory fractor         SO-DIMM         Battery weight         220 g           Memory layout (slots x size)         2 x 16 GB         Power         130 W           Memory data transfer rate         5600 MT/s         AC adapter power         130 W           Memory data transfer rate         5600 MT/s         AC adapter frequency         50/60 Hz           Memory data transfer rate         5600 MT/s         AC adapter frequency         100 - 240 V           Non-ECC         J TB         USB Power Delivery (USB PD)         V           Total storage capacity*         1 TB         USB charging current         6.5 A           Storage media*         5SD capacity         1 TB         Cable lock slot	•		Trial coftware	
Windows Studio effects support         V         Battery         Windows 11 Pro           Al datatype support on NPU         P16, F932, Int8         Battery         3           Al software frameworks supported by NPU         DirectML, ONNX RT, OpenVINO, Windows ML         Number of battery cells         3           Memory         32 GB         Battery voltage         11.4 V           Internal memory type         DDR5-SDRAM         Fast charging         ✓           Memory form factor         SO-DIMM         Battery weight         220 g           Memory spout (slots x size)         2 x 16 GB         Power         130 W           Maximum internal memory *         64 GB         AC adapter power         130 W           Maximum internal memory *         64 GB         AC adapter frequency         50/60 Hz           Nom-ECC         V         USB charging voltage         100 - 240 V           Storage         1 TB         USB charging current         6.5 A           Storage media         SSD         Security           Total Storage capacity *         1 TB         Cable lock slot         ✓           Number of SSDs installed         1         Cable lock slot type         Wedge           SSD capacity         1 TB         Cable lock slot type         Wedge<	• •	/	Triai software	30 day Trial Offer Only
Al datatype support on NPU         FP16, FP32, Int8         Battery           Al software frameworks supported by NPU         brieckML, ONNX RT, OpenVINO, Windows ML         Number of battery ceplas         3           Memory         3         11.4 V           Internal memory         32 GB         Battery voltage         11.4 V           Internal memory type         DDR5-SDRAM         Battery recharge time         4 h           Memory form factor         SO-DIMM         Battery weight         220 g           Memory Isyout (slots x size)         2 x 16 GB         Power           Memory Siots         2x 50-DIMM         AC adapter power         130 W           Memory Jayout (slots x size)         2 x 16 GB         Power           Memory Jayout (slots x size)         2 x 50-DIMM         AC adapter power         130 W           Memory Jayout (slots x size)         2 x 50-DIMM         AC adapter power         130 W           Memory Jayout (slots x size)         2 x 16 GB         Power           Memory Jayout (slots x size)         2 x 16 GB         Power           Memory Jayout (slots x size)         2 x 16 GB         AC adapter power         130 W           Maximum internal memory         64 GB         AC adapter power         130 U         100 - 240 V		1	Operating system installed *	Windows 11 Pro
Al Software frameworks supported by NPU         DirectML, ONNX RT, OpenVINO, Windows ML         Number of battery cells         3         4 h           Memory         32 GB         Battery vorbage         11.4 V           Internal memory ±         32 GB         Battery recharge time         4 h           Internal memory type         DDRS-SDRAM         Fast charging         ✓           Memory form factor         SO-DIMM         Battery weight         220 g           Memory slots         2 x 16 GB         Power         V           Memory slots         2 x 50-DIMM         AC adapter power         130 W           Maximum internal memory **         64 GB         AC adapter frequency         50/60 HZ           Memory data transfer rate         5600 MT/s         AC adapter input voltage         100 - 240 V           Non-ECC         ✓         USB Power Delivery (USB PD) **         ✓           Storage         USB charging outlage         20.5 V           Storage         USB charging outlage         20.5 V           Storage endid **         SSD         Security         ✓           Total Storage capacity         1 TB         Cable lock slot type         ✓           Vumber of SSDs installed         1 TB         Cable lock slot type         ✓ <td>• • • • • • • • • • • • • • • • • • • •</td> <td></td> <td>Battery</td> <td></td>	• • • • • • • • • • • • • • • • • • • •		Battery	
by NPU         Windows ML         Battery capacity*         54 Wh           Memory         Battery voltage         11.4 V           Internal memory **         32 GB         Battery recharge time         4 h           Internal memory type         DDRS-SDRAM         Fast charging         ✓           Memory form factor         SO-DIMM         Battery weight         220 g           Memory slots         2 x 50-DIMM         AC adapter power         130 W           Maximum internal memory*         64 GB         AC adapter power         130 W           Memory data transfer rate         5600 MT/s         AC adapter input voltage         100 - 240 V           Non-ECC         ✓         USB Power Delivery (USB PD)*         ✓           Storage         USB charging voltage         20.5 V           Total Storage capacity*         1 TB         USB charging current         6.5 A           Storage media*         SSD so sapacity         1 TB         Cable lock slot         ✓           Vumber of SSDs installed         1         Cable lock slot type         Wedge           SSD interface         PCI Express 4.0         Trusted Platform Module (TPM)         ✓           SSD interface         PCI Express 4.0         Trusted Platform Module (TPM)         ✓	• • • • • • • • • • • • • • • • • • • •		Number of battery cells	3
Internal memory * 32 GB Battery recharge time			Battery capacity *	54 Wh
Internal memory * 32 GB Battery recharge time	Memory		Battery voltage	11.4 V
Internal memory type         DDR5-SDRAM         Fast charging         ✓           Memory form factor         SO-DIMM         Battery weight         220 g           Memory Jayout (slots x size)         2 x 16 GB         Power           Memory Jotas         2x SO-DIMM         AC adapter power         130 W           Maximum internal memory*         64 GB         AC adapter frequency         50/60 Hz           Memory data transfer rate         5600 MT/s         AC adapter input voltage         100 - 240 V           Non-ECC         ✓         USB Power Delivery (USB PD)*         ✓           Storage         1 TB         USB charging ournent         6.5 A           Storage media*         SSD         Security           Total Storage capacity         1 TB         USB Power Delivery (USB PD)*         ✓           Storage media*         SSD         SSD         Security         ✓           Total Storage capacity         1 TB         USB charging current         6.5 A           SSD storage trade reader         1 TB         Cable lock slot         ✓           Number of SSDs installed         1 TB         Cable lock slot         ✓           Number of SSDs interlace         PCI Express 4.0         Trusted Platform Module (TPM)         ✓ <tr< td=""><td>-</td><td>32 GB</td><td>Battery recharge time</td><td>4 h</td></tr<>	-	32 GB	Battery recharge time	4 h
Memory form factor         SO-DIMM         Battery weight         220 g           Memory layout (slots x size)         2 x 16 GB         Power           Memory slots         2x SO-DIMM         AC adapter power         130 W           Maximum internal memory*         64 GB         AC adapter frequency         50/60 Hz           Memory data transfer rate         5600 MT/s         AC adapter input voltage         100 - 240 V           Non-ECC         V         USB Power Delivery (USB PD)*         V           Storage         USB charging voltage         20.5 V           Total storage capacity*         1 TB         USB charging voltage         20.5 V           Storage media *         SSD         Security         6.5 A           Total Storage capacity         1 TB         Cable lock slot         V           Number of SSDs installed         1         Cable lock slot type         Wedge           SSD capacity         1 TB         Cable lock slot type         Wedge           SSD interface         PCI Express 4.0         Smart card reader         V           NVMe         V         Trusted Platform Module (TPM)         V           SSD performance class         40         Trusted Platform Module (TPM)         2.0           Question drive t	•		Fast charging	✓
Memory slots 2x SO-DIMM Ac adapter power 130 W Maximum internal memory* 64 GB AC adapter frequency 50/60 Hz AC adapter frequency 50/60 Hz AC adapter frequency 50/60 Hz AC adapter input voltage 100 - 240 V Non-ECC	- · · ·	SO-DIMM	Battery weight	220 g
Maximum internal memory 64 d GB	Memory layout (slots x size)	2 x 16 GB	Power	
Maximum internal memory *     64 GB     AC adapter frequency     50/60 Hz       Memory data transfer rate     5600 MT/s     AC adapter input voltage     100 - 240 V       Non-ECC     Y     USB Power Delivery (USB PD) *     Y       Storage     USB charging voltage     20,5 V       Total storage capacity *     1 TB     USB charging voltage     20,5 V       Storage media *     SSD     Security       Total SSDs capacity     1 TB     Cable lock slot     Y       Number of SSDs installed     1     Cable lock slot type     Wedge       SSD capacity     1 TB     Smart card reader     Y       SSD interface     PCI Express 4.0     Smart card reader     Y       NVMe     Y     Trusted Platform Module (TPM)     Y       SSD performance class     40     Version     2.0       M.2 SSD size     2280 (22 x 80 mm)     Operatinal conditions     0       Optical drive type *     X     Operating temperature (T-T)     -40 - 65 °C       Compatible memory cards     MicroSD (TransFlash), MicroSDHC, Micro	Memory slots	2x SO-DIMM	AC adapter power	130 W
Memory data transfer rate     5600 MT/s     AC adapter input voltage     100 - 240 V       Non-ECC     V     USB Power Delivery (USB PD)*     V       Storage     USB charging voltage     20,5 V       Total storage capacity*     1 TB     USB charging current     6.5 A       Storage media*     SSD     Security       Total SSDs capacity     1 TB     Cable lock slot     V       Number of SSDs installed     1     Cable lock slot type     Wedge       SSD capacity     1 TB     Smart card reader     V       SSD interface     PCI Express 4.0     Furusted Platform Module (TPM)     V       NVMe     V     Trusted Platform Module (TPM)     V       SSD performance class     40     V     V       SSD performance class     40     V     V       M.2 SSD size     2280 (22 x 80 mm)     Operational conditions     V       Card reader integrated     V     Storage temperature (T-T)     0 - 35 °C       Card reader integrated     V     Storage temperature (T-T)     0 - 65 °C       Compatible memory cards     MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDMC     Storage relative humidity (H-H)     0 - 95%       Card reader integrated     V     Operating shock     110 G     15.2 - 10668 m       Discrete graphic	Maximum internal memory *	64 GB		
Storage  Total storage capacity*  Total storage capacity*  Total SSDs capacity  Total Storage Capacity  Total SSDs capacity  Total Storage Ca	Memory data transfer rate	5600 MT/s		
Total storage capacity* 1 TB Storage media * SSD Security  Total SSDs capacity 1 TB Cable lock slot	Non-ECC	✓	USB Power Delivery (USB PD) *	<b>✓</b>
Total storage capacity* 1 TB Storage media * SSD Security  Total SSDs capacity 1 TB Cable lock slot	Storage		USB charging voltage	20,5 V
Storage media*         SSD         Security           Total SSDs capacity         1 TB         Cable lock slot         ✓           Number of SSDs installed         1         Cable lock slot type         Wedge           SSD capacity         1 TB         Smart card reader         ✓           SSD interface         PCI Express 4.0         Smart card reader         ✓           NVMe         ✓         Trusted Platform Module (TPM)         ✓           SSD form factor         M.2         Trusted Platform Module (TPM)         ✓           SSD performance class         40         Operational conditions         ✓           M.2 SSD size         2280 (22 x 80 mm)         Operating temperature (T-T)         0 - 35 °C           Card reader integrated         ✓         Storage temperature (T-T)         -40 · 65 °C           Compatible memory cards         MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC         Operating relative humidity (H-H)         10 · 90%           Forage temperature (T-T)         -40 · 65 °C         Operating allitude         -15.2 · 3048 m           Discrete GPU manufacturer         NVIDIA         Operating allitude         -15.2 · 10668 m           Discrete graphics card memory         4 GB         Operating shock         110 G           Discrete graphics c	Total storage capacity *	1 TB		
Total SSDs capacity  Number of SSDs installed  1 Cable lock slot  Cable lock slot type  Wedge  SSD capacity  1 TB  SSD capacity  1 TB  SSD interface  PCI Express 4.0  NVMe  V  SSD form factor  SSD form factor  SSD performance class  40 M.2 SSD size  Operational conditions  Operational conditions  Operational conditions  Operating temperature (T-T)  Compatible memory cards  MicroSD (TransFlash), MicroSDHC, MicroSDHC  MicroSDXC  Operating temperature (T-T)  Operating relative humidity (H-H)  Storage relative humidity (H-H)  Discrete GPU manufacturer  Discrete GPU manufacturer  Discrete graphics card memory  A GB  Operating vibration  Non-operating shock  Non-operating shock  Non-operating vibration  Non-operating			Security	
Number of SSDs installed  SSD capacity  1 TB  SSD interface  PCI Express 4.0  NVMe  V  SSD form factor  SSD performance class  M.2  SSD size  Optical drive type*  Card reader integrated  Campatible memory cards  Discrete GPU manufacturer  Discrete graphics card model*  NVIDIA  Discrete graphics card memory  Discrete graphics card w  One-board graphics card *  V  Cable lock slot type  Smart card reader  Frusted Platform Module (TPM)  Version  Operating Platform Module (TPM)  Version  Operating Conditions  Operating temperature (T-T)  Operating temperature (T-T)  Operating relative humidity (H-H)  Operating relative humidity (H-H)  Operating altitude  Non-operating altitude  Non-operating shock  Discrete graphics card memory  A GB  Operating vibration  Non-operating vibration  Non-operating vibration  Discrete graphics card *  V  On-board GPU manufacturer  Discrete graphics card *  V  Sustainability compliance  V  Cable lock slot type  Smart card reader  V  Card reader  PCI Express 4.0  Trusted Platform Module (TPM)  V  Operating Module (TPM)  V  Operating temperature (T-T)  Operating relative humidity (H-H)  Operating altitude  -15.2 - 3048 m  Non-operating shock  110 G  Operating shock  110 G  Operating shock  110 G  Operating vibration  1.3 G  Operating vibration  Oper	Total SSDs capacity	1 TB		
SSD capacity SSD interface PCI Express 4.0  NVMe V Trusted Platform Module (TPM) Version  Trusted Platform Module (TPM) Version  Coperational conditions  Operational conditions  Operating temperature (T-T) Operating temperature (T-T) Operating relative humidity (H-H) Operating relative humidity (H-H) Operating altitude Operating shock In 0 G Operating vibration Operat	Number of SSDs installed	1		
NVMe  NVMC  NVMe  NVMC	SSD capacity	1 TB	71	· ·
SSD form factor  SSD performance class  M.2  M.2 SSD size  Optical drive type *  Card reader integrated  Compatible memory cards  MicroSD (TransFlash), MicroSDHC, MicroSDXC   Graphics  Discrete GPU manufacturer  Discrete graphics card model *  Discrete graphics card memory type  One and a conditions  Trusted Platform Module (TPM) version  Operational conditions  Operating temperature (T-T) 0 - 35 °C  Storage temperature (T-T) -40 - 65 °C  Operating relative humidity (H-H) 10 - 90%  Storage relative humidity (H-H) 0 - 95%  Operating altitude  Operating altitude  Operating altitude  Operating shock  Into G  Non-operating shock  Discrete graphics card memory type  Operating vibration  On-board graphics card *  On-board GPU manufacturer  Discrete graphics card *  V  Sustainability  Sustainability  Trusted Platform Module (TPM)  version  2.0  Operational conditions  Operating temperature (T-T) 0 - 35 °C  Operating relative humidity (H-H) 10 - 90%  Storage relative humidity (H-H) 0 - 95%  Operating altitude  Operating altitude  Operating shock  Into G  Operating shock  Into G  Operating vibration  On-66 G  Non-operating vibration  On-66 G  Sustainability  Sustainability  Sustainability  TGO ENERGY STAR ENEAT Cald	SSD interface	PCI Express 4.0		
SSD performance class  M.2 SSD size  Optical drive type *  Card reader integrated  Compatible memory cards  Discrete GPU manufacturer  Discrete graphics card model *  Discrete graphics card memory type  On-board graphics card *  On-board GPU manufacturer  On-board GPU manufacturer  Discrete graphics card *  Version  Operational conditions  Operating temperature (T-T)  Operating relative humidity (H-H)  Operating relative humidity (H-H)  Operating altitude  Operating altitude  Non-operating altitude  Non-operating shock  Operating shock  Operating shock  Operating shock  I10 G  Operating shock  Operating shock  I10 G  Operating vibration  Operating vibration  On-operating vibration  On-operatin	NVMe	✓		•
M.2 SSD size  Operational conditions  Operational conditions  Operational conditions  Operational conditions  Operational conditions  Operating temperature (T-T)  O - 35 °C  Storage temperature (T-T)  Operating relative humidity (H-H)  Operating relative humidity (H-H)  Operating relative humidity (H-H)  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating shock  Discrete GPU manufacturer  Discrete graphics card model *  NVIDIA  Non-operating shock  Discrete graphics card memory  4 GB  Operating shock  Non-operating shock  Operating vibration  Operating				2.0
Optical drive type * X Operating temperature (T-T) 0 - 35 °C Card reader integrated				
Card reader integrated  Compatible memory cards  MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC   Graphics  Discrete GPU manufacturer  Discrete graphics card memory  Discrete graphics card memory type  On-board GPU manufacturer  Discrete graphics card *  On-board GPU manufacturer  DISCRETE		·		0. 25.90
Compatible memory cards  MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC  Operating relative humidity (H-H)  Storage relative humidity (H-H)  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating shock  I10 G  NVIDIA  Operating shock  I10 G  NVIDIA RTX 500 Ada  Non-operating shock  Discrete graphics card memory  Operating shock  Operating shock  Operating vibration				
Compatible memory cards  MicroSDXC  Storage relative humidity (H-H)  O - 95%  Operating altitude  Non-operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating shock  I10 G  NVIDIA RTX 500 Ada  Non-operating shock  Discrete graphics card memory  4 GB  Operating vibration  Operating vibration  Operating vibration  Operating vibration  On-board graphics card *  On-board GPU manufacturer  Intel  Discrete graphics card *  On-board GPU manufacturer  On-board GPU	Card reader integrated		•	
Graphics  Operating altitude  Non-operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating altitude  Operating shock  I10 G  NVIDIA RTX 500 Ada  Non-operating shock  Discrete graphics card memory  4 GB  Operating vibration  Operating vibration  On-board graphics card *  On-board GPU manufacturer  On-board GPU manufacturer  Discrete graphics card *  On-board GPU manufacturer  On-board GPU manufactu	Compatible memory cards			
Discrete GPU manufacturer  Discrete graphics card model *  Discrete graphics card memory  Discrete graphics card memory  Discrete graphics memory type  On-board GPU manufacturer  Discrete graphics card *  On-board GPU manufacturer  Discrete gra		אעכטואוייו		
Discrete GPU manufacturer  Discrete graphics card model *  Discrete graphics card memory  Discrete graphics memory type  On-board graphics card *  On-board GPU manufacturer  Discrete graphics card *  On-board graphics card *  On-board graphics card *  On-board graphics card *  On-board GPU manufacturer  Discrete graphics card *  On-board GPU manufacturer  Intel  Discrete graphics card *  Intel  TGO FNERGY GTAP FREAT Cald	Graphics			
Discrete graphics card model * NVIDIA RTX 500 Ada Non-operating shock 160 G  Discrete graphics card memory 4 GB Operating vibration 0.66 G  Discrete graphics memory type GDDR6 Non-operating vibration 1.3 G  On-board graphics card *  On-board GPU manufacturer Intel  Discrete graphics card *   Sustainability  Sustainability compliance  Fig. ENERGY STAP FREAT Cold				
Discrete graphics memory type GDDR6 Non-operating vibration 1.3 G  On-board graphics card *  On-board GPU manufacturer Intel  Discrete graphics card *   Sustainability  Sustainability compliance  Fig. 5. FNERCY STAP FREAT Cold	• •			
Discrete graphics memory type On-board graphics card * On-board GPU manufacturer Discrete graphics card *  On-board GPU manufacturer  Discrete graphics card *  Intel  Sustainability  Sustainability compliance  Custoinability compliance  TGO ENERGY STAP EDEAT Cold	- ·		, ,	
On-board GPU manufacturer Intel  Discrete graphics card *  ✓  Sustainability  Sustainability compliance ✓  Sustainability compliance ✓  TGO ENERGY STAP EDEAT Cold				1.3 G
On-board GPU manufacturer Intel  Discrete graphics card *  Sustainability compliance  Custoinability contributes  TCO_ENERGY_STAR_EREAT_Cold			Sustainability	
Custoinability costificates TCO ENERGY CTAR EREAT Cold			•	
On-board graphics card family Intel Arc Graphics Sustainability Certificates TCO, ENERGY STAR, EPEAT Gold				
	On-board graphics card family	Intel Arc Graphics	Sustamashiny Certificates	100, LINLINGT STAR, LEEAT GUIU

Graphics		Weight & dimensions	
On-board graphics card model *  Audio	Intel Arc Graphics	Width Depth	357.8 mm 233.3 mm
Audio system Number of built-in speakers Speakers manufacturer	MaxxAudio 2 Waves	Height (front) Height (rear) Weight *	2.08 cm 2.28 cm 1.62 kg
Speaker power	2 W	Carbon footprint	
Built-in microphone	<b>✓</b>	Total carbon footprint (kg of CO2e)	119
Number of microphones	2	Carbon emissions, manufacturing (kg of CO2e)	86
Camera		Carbon emissions, logistics (kg of	4
Front camera	✓	CO2e)	
Front camera resolution (numeric)	2.07 MP	Carbon emissions, energy usage (kg of CO2e)	28
		Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	91
		PAIA version	GaBi version 1, 2024
		Packaging content	
		Cables included	AC



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