

DELL Precision 3591 Intel Core Ultra 7 165H Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 2000 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL Product family: Precision Product code: XPVR4

Product name: 3591

DELL Precision 3591. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 165H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey





		_	
Design		Camera	
Product type *	Mobile workstation	Privacy camera	✓
Product colour *	Grey	Privacy type	Privacy shutter
Form factor * Market positioning	Clamshell Business	Network	
	Business	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display Display diagonal * Display resolution *	39.6 cm (15.6") 1920 x 1080 pixels	Wi-Fi standards	Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Touchscreen *	×	Mobile network connection *	×
HD type	Full HD	Wi-Fi data rate (max)	2400 Mbit/s
Panel type	IPS	Antenna type	2x2
LED backlight	, ·	WLAN controller model	Intel Wi-Fi 6E AX211
Native aspect ratio	16:9	WLAN controller manufacturer	Intel
Anti-glare screen	1	Ethernet LAN	✓
Display brightness	400 cd/m²	Ethernet LAN data rates	10,100,1000 Mbit/s
Pixel density	141 ppi	Bluetooth	✓
RGB colour space	sRGB	WWAN	Upgradable
Colour gamut	100%	MIMO	✓
Maximum refresh rate	60 Hz	MIMO type	Multi User MIMO
Contrast ratio (typical)	800:1	Ports & interfaces	
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2
Processor manufacturer *	Intel	ports quantity * Ethernet LAN (RJ-45) ports	1
Processor family *	Intel Core Ultra 7	HDMI ports quantity *	1
Processor generation	Intel® Core™ Ultra (Series 1)	HDMI version	2.1
Processor model *	165H	Thunderbolt 4 ports quantity	2
Processor cores	16	Intel® Thunderbolt 4	- /
Processor threads	22	Combo headphone/mic port	·
Processor boost frequency	5 GHz	combo nedaphone/fine port	•
Performance cores	6		

Processor Processor Emiliant cores S US Proce Clogishypert Aleman's Professor Clogishypert Clogishypert Professor Clogishypert Professor Clogishypert Professor Clogishypert Professor Clogishypert Clogishypert Professor Clogishype				
Jow Power Hiffeentones 2 Mode for Presence or Presentation or Presentation or Presence or Presentation or Presentation or Presentation or Presentation or Presentatio	Processor		Ports & interfaces	
PerformanceCode Natural Code Natural Code PerformanceCode PerformanceCode Natural Code PerformanceCode PerformanceCode PerformanceCode Natural Code PerformanceCode				✓
Fequency		2		
Efficiency core Max Turbo Prequency 3.8 GHz RevoemShare support Touchpad Frequency 2.5 GHz Keybard Touchpad Performance-core base frequency 0.9 GHz Keyboard anguage Nordic Efficient-core base frequency 700 MHz Keyboard number of keys 10 Processor Cache 2.4 MB Keyboard number of keys 10 Processor Cache type 5mart Cache Software 64-bit Processor Cache type 2.4 MB Software 0 Neural processor unit (NPU) Intel Al Boost Trial software 0 Neural processor unit (NPU) Intel Al Boost Trial software Windows 10 Fror Port Narratify support on NPU FP16, FP21, Int8 Number of battery cells 4 Al databyse support on NPU PF16, FP22, Int8 Number of battery cells 4 Al databyse support on NPU PF16, FP22, Int8 Number of battery cells 4 Al databyse support on NPU PF16, FP22, Int8 Number of battery cells 4 Al databyse support on NPU PD65, SP2AM Reatery recharge limit		5 GHz		•
Frequency		3.8 GHz		1
Performance-one base frequency 1.4 GHz Pointing device Touchpad Efficient-core Base Frequency 700 MHz Numeric keypad ** v Processor cache 24 MB Keyboard number of keys 100 Processor cache type 38 W Software 100 Processor base power 18 W Operating system architecture 64-bit Danish, English, Finnish, Norwegian, Swedish Neural processor unit (NPU) Intel Boest Trial software 3-3 day Trial Offer Olly Neural processor unit (NPU) Intel Boest Trial software No Microsoft Office Licence Included Assimum frequency NPU Assimum frequency NPU / Battery Windows Studio effects support / Battery Windows Studio effects support PF16, F932, Int8 Mumber of battery cells 4 A software frameworks supported by NPU PF16, F932, Int8 Mumber of battery cells 4 A software frameworks supported by NPU PF16, F932, Int8 Mumber of battery cells 4 Memory of mifector DDRS SDRAM Battery change time 3 h Memory softs Associate change t		2.5 GHz	Keyboard	
Elicitent.core base frequency 0.9 GHz Keyboard language Nordic Low Power Elicitent.core Base 700 MHz Keyboard backlit ~ Processor cache type 24 MB Keyboard unmber of keys 10 Processor cache type 28 W Operating system architecture 64-bit Neural processor unit (NPU) 115 W Operating system language 64-bit Neural processor unit (NPU) 1.4 GHz Operating system language 64-bit Microsoft unit (NPU) 1.4 GHz Operating system language 64-bit Microsoft unit (NPU) 1.4 GHz No Microsoft office Licence Included Advisory (Signature) 64-bit As data year 1.4 GHz No Microsoft office Licence Included Advisory (Signature) 64-bit As data year 1.4 GHz No Microsoft office Licence Included Advisory (Signature) 1.4 GHz As data year 1.4 GHz No Microsoft office Licence Included Advisory (Signature) 1.5 Ly Call (Signature) Memory 1.5 GHz Salatery 8 Battery 6 GHz 1.5 Ly Call (Signature) Internal memory ** (Signature) 3.2 GB Fast	• •	1.4 GHz	Pointing device	Touchpad
Processor cache Processor	, ,		Keyboard language	Nordic
Frequency		700 MHz	Numeric keypad *	✓
Processor base power Smart Cache Software Processor base power 28 W Operating system architecture 64-bit Neural processor unit (NPU) 1.4 GHz Operating system language Markinum trequency NPU 1.4 GHz Neural processor unit (NPU) 1.4 GHz Operating system installed* National System (NPU) National System (NPU) 1.4 GHz Operating system installed* Vindows 11 Pro Windows Studio effects support / Battery Windows 11 Pro Al datatype support on NPU P16, FP32, Int8 Number of battery cells 4 Al software frameworks support on NPU P16, FP32, Int8 Mumber of battery cells 4 Al software frameworks support on NPU P16, FP32, Int8 Mumber of battery cells 4 Al software frameworks support on NPU P16, FP32, Int8 Mumber of battery cells 4 Al software frameworks support on NPU DIDR-SDRAM Battery traped with a support on the support on			•	✓
Processor base power 28 W Software G4-bit Maximum turbo power 115 W Operating system language 64-bit Maximum turbo power Call Processor unit (NPU) Intel Al Boost Trial software Ab Microsoft Office Licence Included -30 day Trial Office Licence Included -30			Keyboard number of keys	100
Maximum turbo power 15 W Operating system annitueture 64-bit Danish, English, Finnish, Norwegian, Swedish Neural processor unit (NPU) 1 Mel Al Boost Trial software Swedish Maximum frequency NPU 1.4 GHZ Operating system installed 30 Microsoft Office Licence Included Parking System installed Mindows Studio effects support / Battery Windows Studio effects support Windows Studio effects support More Patients 44 Memory 64 Wh More Patients 44 Memory 44 Memory 64 Wh Memory	**		Software	
Neural processor unit (NPU) Intel Al Boost Trial software Non-icrosott Office Licence Included -30 day Trial Offer Only Maximum frequency NPU 1.4 GHz Operating system installed ** Non-icrosott Office Licence Included -30 day Trial Offer Only Windows Studio effects support ✓ Battery Window Studio effects support 4 Al software frameworks support on NPU P16, F92, Int8 Number of battery cells 4 4 Al software frameworks support on NPU P16, F92, Int8 Number of battery cells 4 4 4 Al software frameworks support on NPU P16, F92, Int8 Number of battery cells 4	•		Operating system architecture	64-bit
Neural processor unit (NPU) Intel Al Boost Trial software No Microsoft Office Licence Included - 30 day Trial Offer Only Maximum frequency NPU 4 CH2 Operating system installed ** Windows 11 Pro Windows Studio effects support ≠ CP Al datatype support on NPU FP16, FP32, Int8 Mumber of battery cells 4 GH Windows 11 Pro Al datatype support on NPU FP16, FP32, Int8 Battery capacity* 64 Wh 4 GH Windows ML Memory Uncertain CNNK, ONNX, RT, OpenVINIO, Windows ML Battery cepacity* 64 Wh 4 Wh Memory 32 GB Fast charging ≠ Cepacity* 64 Wh Internal memory type DDRS-SDRAM Battery verlange timed 2 Wh Memory form factor SO-DIMM Battery verlange timedicator ≠ Cepacity 4 Sa 0g Memory slots 50-DIMM AC adapter prover 130 Wh 4 Sa 0g Memory slots 42 SC DIMM AC adapter prover 130 Wh 5 So 60 Pt Memory slots 42 SC DIMM AC adapter prover 2 SO 60 Pt 4 ST 0g Memory slots 42 ST 0g AC adapter prov	Neural processor unit (NPU)		Operating system language	
Maximum frequency NPU 1.4 GHz Operating system installed ** Windows 11 Pro Windows Studio effects support V A datatype support on NPU FP16, FP32, Int8 Number of battery cells 4 GH Wh AI datatype support on NPU by NPU FP16, FP32, Int8 Number of battery cepality ** GH Wh 64 Wh AI software frameworks supported by NPU DirectML, ONNX RT, OpenVINO, Windows ML Battery capacity ** GH Wh 64 Wh Memory 32 GB Fast charging * Internal memory type DDR5-SDRAM Battery charge indicator * Memory form factor SO-DIMM Battery weight 280 g Memory slots 2x SO-DIMM AC adapter power 130 W Maximum internal memory ** 64 GB 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 V USB Type-C charging port ** V Total storage capacity ** 1 TB USB Charging voltage 520 V Storage media **	Neural processor unit (NPU)	Intel Al Boost	Trial coffware	
Saratisy support Al datatype support on NPU	Maximum frequency NPU	1.4 GHz		,
Al datatype support on NPU Al Software frameworks supported by NPU FP16, FP32, Int8 Number of battery cells 4 Wh Al software frameworks supported by NPU DirectML, ONNX RT, OpenVINO, Windows ML Battery capacity* 64 Wh Memory 32 GB Fast charging ✓ Internal memory bye DDR5-SDRAM Battery recharge time 3 h Memory Jayout (slots x size) 1 x32 GB Battery weight 280 g Memory Jayout (slots x size) 1 x32 GB Power Memory Jayout (slots x size) 1 x32 GB AC adapter power 130 W Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x size) 1 x32 GB AC adapter frequency 50 - 60 Hz Memory Jayout (slots x	Sparsity support	✓	Operating system installed *	Windows 11 Pro
Al software frameworks supported by NPU Windows ML Battery capacity 5.2 V 15.2 V	Windows Studio effects support	✓	Battery	
by NPU Windows ML Battery voltage 15,2 V Memory Battery recharge time 3 h Internal memory * 32 GB Fast charging ✓ Internal memory type DDR5 SDRAM Battery charge indicator ✓ Memory form factor SO-DIMM Battery weight 280 g Memory slots 2 x SO-DIMM AC adapter power 130 W Maximum internal memory * 6 4 GB AC adapter power 100 · 240 V Memory data transfer ate 5600 MT/s AC adapter input voltage 100 · 240 V Memory data transfer ate 5600 MT/s AC adapter input voltage 100 · 240 V Memory data transfer ate 5600 MT/s AC adapter input voltage 100 · 240 V Memory data transfer ate 5600 MT/s AC adapter input voltage 100 · 240 V Memory data transfer ate 1 TB USB Power Delivery (USB PD) ** ✓ Storage 1 TB USB Cower Delivery (USB PD) ** ✓ Storage media* 5 SD or SD SECURITY Processory (USB PD) ** ✓ Volal Storage ag	Al datatype support on NPU	FP16, FP32, Int8	Number of battery cells	4
Memory Battery recharge time 3 h Internal memory ** 32 GB Fast charging * Internal memory type DDRS-SDRAM Battery charge indicator * Memory form factor SO-DIMM Battery weight 280 g Memory Jayout (slots x size) 1 x 32 GB Power * Memory Jayout (slots x size) 2 x 50-DIMM AC adapter power 130 W * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 66 GB AC adapter frequency 50 · 60 Hz * Memory Jayout (slots x size) 18 ME Scale Scal			Battery capacity *	
Internal memory * 32 GB Fast charging / Internal memory type DDRS-SDRAM Battery charge indicator / Memory form factor SO-DIMM Battery weight 28 0g Memory Jout (slots x size) 1 x 32 GB Power Memory slots 2x SO-DIMM AC adapter power 130 W Memory slots 4C adapter input voltage 100 - 240 V Memory data transfer rate 5600 MT/s AC adapter input voltage 100 - 240 V Non-ECC Y USB Type-C charging port * Y Storage USB Power Delivery (USB PD) * Y Storage 1TB USB Charging voltage 5,20 V Storage media * 5SD Socurity * Total Storage capacity * 1 TB USB charging voltage 5,20 V Storage media * 5SD Socurity * Total Storage capacity * 1 TB Cable lock slot type Wedge SSD sparformance of SSDs installed * 1 * * SSD form factor M.2 * <	by NPU	Windows ML	, ,	
Internal memory type DDRS-SDRAM Memory form factor SO-DIMM Memory layout (slots x size) Memory layout (slots x size) Memory slots 2 x SO-DIMM Maximum internal memory* 64 GB AC adapter power AC adapter frequency SO-60 Hz Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate Memory data transfer rate S600 MT/s AC adapter input voltage Memory data transfer rate Memory data transfer rate Memory data transfer rate S600 MT/s AC adapter input voltage Memory lusp Pto Memory data transfer rate Memor	Memory		, ,	
Memory Inform factor	•		5 5	
Memory layout (slots x size) 1 x 32 GB Power Memory slots 2x 50-DIMM AC adapter power 130 W Maximum internal memory* 64 GB AC adapter frequency 50-60 Hz Memory data transfer rate 5000 MT/s AC adapter input voltage 100-240 V Non-ECC V USB Type-C charging port * V Storage USB Power Delivery (USB PD)* V Storage media * 55D SECUTIV Total SSDs capacity 1 TB USB charging voltage 5,20 V Storage media * 55D SECUTIV V Total SSDs capacity 1 TB Cable lock slot V Number of SSDs installed 1 TB Cable lock slot type Wedge SSD interface PCI Express 4.0 Smart card reader V V NVMe Y Trusted Platform Module (TPM) 2.0 V SSD performance class 40 V V V Quertinal drive type * X Operating elative humidity (H+) 0 - 35 °C			· ·	
Memory siots 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 Type-C charging port ** V Storage USB Power Delivery (USB PD)* V Storage media * SSD SSD Storage media * SSD Security ITB USB charging voltage 5,20 V Storage media * SSD Security ITB USB charging voltage 5,20 V Storage media * SSD SECURITY Volta SSDs capacity 1 TB Cable lock slot V Storage media * 1 TB Cable lock slot V SSD interface PCI Express 4.0 Smart card reader V NVMe V Trusted Platform Module (TPM) V SSD interface M.2 Trusted Platform Module (TPM) 2.0 VSSD performance class 40 Operating Litude	•			280 g
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 V USB Type-C charging port * V Storage USB Power Delivery (USB PD) * V Total storage capacity * 1 TB USB charging voltage 5,20 V Storage media * SSD Security 5,20 V Total Storage apacity * 1 TB Cable lock slot V Number of SSDs installed 1 Cable lock slot type Wedge SSD parcity 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 form factor M.2 Trusted Platform Module (TPM) 2.0 SSD performance class 40 V SSD performance class 40 V Card reader integrated Y V Card reader integrated Y V 0 - 35 °C	• •			
Memory data transfer rate 5600 MT/s AC adapter input voltage 100 - 240 V Non-ECC V USB Type-C charging port* V Storage I TB USB Power Delivery (USB PD)* V Total storage capacity* 1 TB USB charging voltage 5,20 V Storage media * SSD Security 5,20 V Total SSDs capacity 1 TB Cable lock slot V Number of SSDs installed 1 TB Cable lock slot type Wedge SSD capacity 1 TB Cable lock slot type Wedge SSD capacity 1 TB Cable lock slot type Wedge SSD capacity 1 TB Tursted Platform Module (TPM) V NVMe V Trusted Platform Module (TPM) V SSD performance class 40 V V SSD size 2280 (22 x 80 mm) Operating acmain tender (T-T) 0 - 35 °C Card reader integrated X Operating elative furthing the midity (H-H) 10 - 90% Compatible memory cards MicroSD (TransFlash), MicroSDHC, MicroSD (TransFlash), MicroSD	•			
Non-ECC ✓ USB Type-C charging port * ✓ Storage USB Power Delivery (USB PD) * ✓ Total storage capacity * 1 TB USB charging voltage 5,20 V Storage media * SSD Security Total SSDs capacity 1 TB Cable lock slot ✓ Number of SSDs installed 1 TB Cable lock slot type Wedge SSD interface PCI Express 4.0 Smart card reader ✓ NVMe ✓ Trusted Platform Module (TPM) ✓ SSD interface M.2 Trusted Platform Module (TPM) ✓ SSD form factor M.2 Trusted Platform Module (TPM) ✓ SSD performance class 40 Version Version 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 Operating relative humidity (H-H) 10 · 90% Storage relative shumidity (M-H) 10 · 90% 15.2 · 3048 m <t< td=""><td>•</td><td>5600 MT/s</td><td></td><td></td></t<>	•	5600 MT/s		
Storage Jame Delivery (USB PD)* ✓ Total storage capacity* 1 TB USB charging voltage 5,20 V Storage media * SSD SSD 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 ✓ NVMe ✓ Trusted Platform Module (TPM) ✓ SSD form factor M.2 Trusted Platform Module (TPM) ✓ SSD performance class 40 Version ✓ M.2 SSD size 2280 (22 x 80 mm) Operating temperature (T-T) 40 - 65 °C Card reader integrated ✓ Storage temperature (T-T) 40 - 65 °C Compatible memory cards MicroSD (TransFlash), MicroSDHC,	Non-ECC	✓		
Total storage capacity* 1 TB USB charging voltage 5,20 V Storage media * SSD Security Total SSDs capacity 1 TB Number of SSDs installed 1 Cable lock slot	Storage		,, s s .	
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 capacity PCI Express 4.0 Smart card reader ✓ NVMe PCI Express 4.0 Smart card reader ✓ SSD form factor M.2 Trusted Platform Module (TPM) version 2.0 SSD performance class 40 Deprational conditions V Optical drive type * X 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 Storage relative humidity (H-H) 10 - 90% Graphics V Operating altitude -15.2 - 3048 m Discrete graphics card model * NVIDIA RTX 2000 Ada Non-operating altitude -15.2 - 10668 m Discrete graphics memory type GDDR6 Operating vibration 1.66 G On-board graphi	•	1 TB	• • • • • • • • • • • • • • • • • • • •	
Total SSDs capacity Number of SSDs installed 1 Cable lock slot V Wedge SSD capacity 1 TB Cable lock slot type Wedge SSD capacity SSD interface PCI Express 4.0 Smart card reader V NVMe V Trusted Platform Module (TPM) V SSD form factor M.2 SSD performance class 40 M.2 SSD size 2280 (22 x 80 mm) Operating temperature (T-T) Card reader integrated V Compatible memory cards MicroSDXC Graphics Graphics Graphics card model* Discrete graphics card memory Discrete graphics card * On-board graphics card * On-board graphics card family On-board graphics card model* Intel Audio Augusta 1 Cable lock slot V Wedge Wedge Wedge Wedge Cable lock slot V Wedge Wedge Wedge Wedge Cable lock slot V Wedge Wedge Cable lock slot V Wedge Wedge Cable lock slot V Wedge Wedge Cable lock slot V Wedge Cable lock slot type Wedge Wedge Cable lock slot type Wedge V Wedge Smart card reader V Trusted Platform Module (TPM) V Cable lock slot type Wedge V Trusted Platform Module (TPM) V Cable Platform Module Text V Cable Platform Module (TPM) Cable Platform Module Text V Cable Platform Module T			5 5 5	3,23 (
Numer or SSDS installed SSD capacity 1 TB SSD capacity SSD interface PCI Express 4.0 NVMe V Trusted Platform Module (TPM) Version SSD performance class M.2 SSD performance class M.2 SSD size 2280 (22 x 80 mm) Optical drive type * Card reader integrated MicroSD (TransFlash), MicroSDHC, MicroSDMC Compatible memory cards MicroSDXC Graphics Graphics Graphics Graphics card model * NVIDIA RTX 2000 Ada Discrete graphics card memory Discrete graphics card memory type On-board graphics card * On-board graphics card * On-board graphics card family On-board graphics card model * Intel Arc Graphics IT usted Platform Module (TPM) Version Prusted Platform Module (TPM) Version Prusted Platform Module (T	Total SSDs capacity	1 TB	•	
SSD interface PCI Express 4.0 Smart card reader V NVMe V Trusted Platform Module (TPM) V SSD form factor M.2 Trusted Platform Module (TPM) version 2.0 M.2 SSD performance class 40 Version 0 M.2 SSD size 2280 (22 x 80 mm) Operational conditions Optical drive type * X Operating temperature (T-T) 0 - 35 °C Card reader integrated V Storage temperature (T-T) -40 - 65 °C Compatible memory cards MicroSD (TransFlash), MicroSDHC, MicroSDXC Operating relative humidity (H-H) 10 - 90% Storage relative humidity (H-H) 0 - 95% Graphics Operating altitude -15.2 - 3048 m Non-operating altitude -15.2 - 10668 m Operating shock 110 G Discrete graphics card model * Operating vibration 0.66 G On-board graphics card * V Operating vibration 1.3 G On-board GPU manufacturer Intel Discrete graphics card * V Sustainability On-board graphics card model * Intel Arc Graphics 1 Intel Arc Graphics 1 Intel Arc Graphics 2 Sustainability certificates ENERGY STAR, TCO Audio Version V.2. Smart card reader V Trusted Platform Module (TPM) V.2. Trusted Platform Module (TPM) V.2. Operating Module (TPM) V.2. Operating Module (TPM) V.2. Operating the dimensions V.2. Weight & dimensions	Number of SSDs installed	1		
NVMe			**	3
SSD form factor M.2 SSD performance class 40 M.2 SSD size 2280 (22 x 80 mm) Operational conditions Optical drive type * Card reader integrated ✓ Storage temperature (T-T) -40 -65 °C Compatible memory cards MicroSD (TransFlash), MicroSDHC, MicroSDXC Storage relative humidity (H-H) 0 - 95% Graphics Operating altitude -15.2 - 3048 m Non-operating altitude -15.2 - 10668 m Discrete graphics card model * Discrete graphics card memory B GDDR6 Operating vibration 0.66 G On-board graphics card * On-board graphics card * On-board graphics card * On-board graphics card model * Intel Arc Graphics Operating sock on the later Graphics on the later Graphics Operating sock on the later Graphics Operating sock on the later Graphics Operating sock on the later Graphics on the later Graphics Operating sock on the later Graphics Operating vibration on the later Operating Vibration on the		•		
SSD performance class 40 version 2.0 M.2 SSD size 2280 (22 x 80 mm) Operational conditions Optical drive type * X Operating temperature (T-T) 0 - 35 °C Card reader integrated ✓ Storage temperature (T-T) -40 - 65 °C Compatible memory cards MicroSD (TransFlash), MicroSDHC, MicroSDXC Operating relative humidity (H-H) 10 - 90% Storage relative humidity (H-H) 0 - 95% Graphics Operating altitude -15.2 - 3048 m Non-operating altitude -15.2 - 10668 m Discrete graphics card memory 8 GB Non-operating shock 110 G Operating shock 160 G Operating shock 160 G Operating vibration 0.66 G Operating vibration 1.3 G On-board graphics card * ✓ On-board graphics card * ✓ Sustainability On-board graphics card family Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Audio Version 2.0 Operating temperature (T-T) 0 - 35 °C Operating temperature (T-T) -40 - 65 °C Operating temperature (T-T) -40 - 65 °C Operating relative humidity (H-H) 10 - 90% Storage relative humidity (H-H) 0 - 95% Operating altitude -15.2 - 10668 m Non-operating shock 110 G Operating shock 110 G Sustainability operating shock 120 G Operating vibration 13 G Operating vibration 13 G Sustainability compliance ✓ Sustainability certificates ENERGY STAR, TCO				•
M.2 SSD size 2280 (22 x 80 mm) Operational conditions Optical drive type * X 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% Storage relative humidity (H-H) 0 - 95% Operating altitude -15.2 - 3048 m Non-operating altitude -15.2 - 10668 m Discrete graphics card memory 8 GB Operating shock 110 G On-board graphics memory type GDDR6 Operating vibration 0.66 G On-board GPU manufacturer Intel Non-operating vibration 1.3 G On-board graphics card * ✓ Sustainability On-board graphics card family Intel Arc Graphics Sustainability compliance ✓ On-board graphics card model * Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Audio Weight & dimensions				2.0
Optical drive type * X	·		Operational conditions	
Card reader integrated Compatible memory cards MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC MicroSDXC Operating relative humidity (H-H) Storage relative humidity (H-H) O - 95% Operating altitude Operating altitude Operating altitude Operating altitude Operating shock Intel Operating shock Intel Operating shock Operating shock Operating shock Intel Operating shock Intel Operating shock Operating shock Operating shock Operating shock Operating shock Operating shock Operating vibration Operating vibration Operating vibration On-board GPU manufacturer On-board graphics card * On-board graphics card family On-board graphics card family On-board graphics card family On-board graphics card model * Intel Arc Graphics Sustainability compliance On-board graphics card model * Intel Arc Graphics On-board graphics card model * On-board graphics		,		0 - 35 °C
Compatible memory cards MicroSDXC Storage relative humidity (H-H) O - 95% Operating altitude -15.2 - 3048 m Non-operating altitude Discrete graphics card model * Discrete graphics card memory 8 GB Operating shock Operating shock 110 G Non-operating shock Operating shock Operating shock Operating shock Operating vibration On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card family Intel Arc Graphics Sustainability On-board graphics card model * Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Weight & dimensions	•			
Graphics Operating altitude Discrete graphics card model * Discrete graphics card memory Discrete graphics card memory Discrete graphics memory type On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card model * Intel Arc Graphics Sustainability On-board graphics card model * Intel Arc Graphics Sustainability compliance On-board graphics card model * On-board graphics	J		Operating relative humidity (H-H)	
Discrete graphics card model * NVIDIA RTX 2000 Ada Discrete graphics card memory 8 GB Discrete graphics memory type GDDR6 On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card amily On-board graphics card family On-board graphics card model * Intel Arc Graphics Sustainability compliance On-board graphics card model * Intel Arc Graphics Sustainability certificates Weight & dimensions		MICIUSDAC		
Discrete graphics card memory 8 GB Discrete graphics memory type On-board graphics card * On-board GPU manufacturer Discrete graphics card * On-board graphics card amily On-board graphics card family On-board graphics card model * Intel Arc Graphics Sustainability compliance On-board graphics card model * Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Weight & dimensions	-	NIVIDIA PTY 2000 Ada		
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 graphics card family On-board graphics card model * Intel Arc Graphics Sustainability compliance On-board graphics card model * Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Weight & dimensions	• .			
On-board graphics card *				
On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card model * Intel Arc Graphics Sustainability Sustainability compliance On-board graphics card model * Intel Arc Graphics Sustainability certificates ENERGY STAR, TCO Weight & dimensions	- ,			
On-board graphics card family On-board graphics card model * Intel Arc Graphics Audio Sustainability compliance Sustainability certificates ENERGY STAR, TCO Weight & dimensions		Intel	Non-operating vibration	1.3 G
On-board graphics card family	Discrete graphics card *	✓	Sustainability	
Audio Weight & dimensions		Intel Arc Graphics	Sustainability compliance	✓
	On-board graphics card model *	Intel Arc Graphics	Sustainability certificates	ENERGY STAR, TCO
Number of built-in speakers 2 Width 357.8 mm	Audio		Weight & dimensions	
	Number of built-in speakers	2	Width	357.8 mm

Audio		Weight & dimensions	
Speakers manufacturer	Waves	Depth	233.3 mm
Speaker power	2 W	Height (front)	2.27 cm
Built-in microphone	✓	Height (rear)	2.47 cm
Number of microphones	2	Weight *	1.79 kg
Camera		Carbon footprint	
Front camera	✓	Total carbon footprint (kg of CO2e)	120
Front camera resolution (numeric) Front camera resolution Front camera HD type Video capturing speed	2.07 MP 1920 x 1080 pixels Full HD 30 fps	Carbon emissions, manufacturing (kg of CO2e)	84
		Carbon emissions, logistics (kg of CO2e)	5
		Carbon emissions, energy usage (kg of CO2e)	31
		Carbon emissions, end-of-life (kg of CO2e)	1
		Total carbon emissions, w/o use phase (kg of CO2e)	89
		PAIA version	GaBi version 1, 2024
		Packaging content	
		Cables included	AC



5397184807583

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.