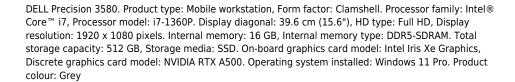


## DELL Precision 3580 Intel® Core™ i7 i7-1360P Mobile workstation 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro US International Grey

Brand : DELL Product family: Precision Product code: F5PCP

**Product name: 3580** 







Design		Network	
Product type * Product colour * Form factor * Intel® vPro™ Platform Eligibility	Mobile workstation Grey Clamshell	Mobile network connection * Wi-Fi data rate (max) Antenna type WLAN controller model	X 2400 Mbit/s 2x2 Intel Wi-Fi 6E AX211
Display Display diagonal * Display resolution * Touchscreen * HD type Panel type	39.6 cm (15.6") 1920 x 1080 pixels X Full HD IPS	WLAN controller manufacturer Ethernet LAN Ethernet LAN data rates Bluetooth MIMO MIMO type	Intel  10,100,1000 Mbit/s  Multi User MIMO
LED backlight Native aspect ratio Anti-glare screen Display brightness Pixel pitch Pixel density RGB colour space Colour gamut Display response rise/fall Maximum refresh rate Contrast ratio (typical)	16:9  250 cd/m² 0.179 x 0.179 mm 141 ppi NTSC 45% 35 ms 60 Hz 700:1	Ports & interfaces  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  Combo headphone/mic port  USB Type-C DisplayPort Alternate Mode	2 1 1 2.0 2
Processor  Processor manufacturer *  Processor family *  Processor generation  Processor model *  Processor cores	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-1360P 12	PowerShare Number of USB ports with PowerShare support  Keyboard  Pointing device Numeric keypad *	1 Touchpad

Processor Drock Frequency         5 6Hz         Keyboard backlift         Frequency         5 6Hz         Keyboard backlift         # Commence one Management         1 6 6Hz         Keyboard backlift         # Commence one Management         4 6 6Hz         Management         # Commence one Management         4 6 5 Hz         Management         # Commence one Management         5 6Hz         Commence one Management         4 6 Hz         A 6 Hz         Commence one Management         5 6Hz         Commence one Management         5 6Hz         Commence one Management         4 6 Hz         Commence one Management         4 6 Hz         Commence one Management         4 6 Hz         A 6 Hz<				
Processor boost frequency         5 GRIZ         Keyboard language         Us International           Performance comes         4         Software           Efficiency cores         8         Operating systems architecture         64-bit           Frequency         5 GRIZ         Operating system language         45-bit           Frequency         13 GRIZ         Operating system language         45-bit           Processor cache         18 MB         Trial software         80 Mo Microsoft Office Useries Included           Processor cache spower         28 W         Bude obviously         Windows \$1.0 Pro           Memory         15 GB         Battery schandlogy         Lichium-lan (Lidan)           Memory brom factor         5 GB         Battery capacity*         5 4 Wh           Memory prom factor         50 DBM         Battery capacity*         5 4 Wh           Memory slotis         2 V B GB         Battery capacity*         5 4 Wh           Memory slotis         2 V B GB         Battery capacity*         5 4 Wh           Memory slotis         2 V B GB         Battery capacity*         1 50 Wh           Stories         2 V B GB         Battery capacity*         1 50 Wh           Stories         2 V B GB         Battery capacity*         1 50	Processor		Keyboard	
Performance cores	Processor threads	16	Keyboard backlit	✓
Efficient cores   Software   Performance-ore Max Turbo   Frequency   Soft   Performance-ore Max Turbo   Frequency   Soft   Performance-ore Max Turbo   Frequency   Soft   Performance-ore Max Turbo   Soft   Performance-ore Max Turbo   Soft   Performance-ore Max Turbo   Performance-			Keyboard language	US International
Performancencer Max Turbo Frequency Frequen			Software	
Frequency   Soft   Children   Comman			Operating system architecture	64-bit
Processor cache lype         18 MB         Trial software         NO Microsoft Office License included 20 day Trial of Processor base power Processor base power 8 W W Modes \$11 Pro Windows \$12 Pro Windows \$11 Pro Windows \$12 Pro Windows \$11 Pro Windows \$12 Pro Window	Frequency		Operating system language	
Processor base power Maximum turbo power         28 W Bunded Software         Windows System Driver           Maximum turbo power         64 W         Battery           Memory         Leternal memory * DDRS-SDRAM         Battery chonology         Lithium-lon (Li-lon)           Internal memory type         DDRS-SDRAM         Battery capacity*         3 4 Wh           Memory layout (slots x size)         2 x 8 GB         Battery colarge         1 1.4 V           Memory layout (slots x size)         2 x 8 CB         Battery veelange time         3 h           Maximum internal memory         4 6 GB         Power           Memory late transfer rate         2000 MT/s         AC adapter program         130 W           Non-ECC         7         AC adapter program         130 W           Storage         V         AC adapter program         100 - 240 V           Storage media *         SSD         USB Type-C charging port         ✓ Color of Color o			Trial software	
Maximum turbo power         64 W         Battery           Memory         Battery         Battery technology         Lithium-lon (Li-lon)           Internal memory type         16 GB         Number of battery cells         3 Human (Li-lon)           Memory Ingurus (Isuts xize)         2 x 8 GB         Battery voltage         11.4 V           Memory Joylos         2 x 8 GB         Battery voltage         11.4 V           Memory Joylos         2 x 8 GB         Battery weight         220 g           Memory data transfer rate         200 MTS         Power         300 W           Memory data transfer rate         200 MTS         AC adapter prower         130 W           Non-ECC         AC adapter prower         130 W         100 -240 V           Storage         512 GB         USB Type-C charging port         90 -240 V           Storage         512 GB         USB Type-C charging port         90 -240 V           Voltacis         512 GB         USB Type-C charging port         90 -240 V           Storage         512 GB         USB Type-C charging port         90 -240 V           Voltage         512 GB         USB Type-C charging port         90 -25 V           Storage type-C charging port         90 -25 V         90 -25 V           Vo	• •		Operating system installed *	Windows 11 Pro
Memory         Internal memory         16 G8         Battery technology         Lithlum-lon (Li-lon)           Internal memory type         DDBS-SDRAM         Battery capacity*         54 Wh           Memory form factor         SO-DIMM         Battery capacity*         54 Wh           Memory layout (slots x size)         2 x 8 GDIMM         Battery weight         220 g           Maximum internal memory*         64 GB         Power         220 g           Maximum internal memory*         64 GB         Power         130 W           Memory data transfer rate         5200 MT/s         AC adapter power         130 W           Non-ECC         Y         AC adapter frequency         50/00 Hz           Storage         SD         USB Type C charging port*         Y           Storage media**         512 GB         USB Power Delivery (USB PD)         Y           Total Storage capacity*         512 GB         USB Agraing voltage         10.0 × 40 V           Storage media**         512 GB         USB Agraing voltage         20.5 V           Williamber of Storage capacity*         512 GB         USB Agraing voltage         20.5 V           Storage media**         12 GB         USB Agraing voltage         20.5 V           Vall SSD paracity         512 GB <td>·</td> <td></td> <td>Bundled software</td> <td>Windows System Driver</td>	·		Bundled software	Windows System Driver
Internal memory	·	04 VV	Battery	
Internal memory type	•		Battery technology	Lithium-lon (Li-lon)
Memory form factor         SO-DIMM         Battery verbage         11.4 V           Memory Jayout (slotx size)         2 x 8 G-DIMM         Battery recharge time         3 h           Maximum internal memory         64 GB         20 g           Maximum internal memory         64 GB         20 g           Memory Jata transfer rate         5200 MT/s         AC adapter power         30 W           Non-ECC         y         AC adapter frequency         506 (D at a capter)           Storage         ST02 GB         USB Type-C charging port         y           Storage media         SSD         USB Power Delivery (USB PD)         y           Storage media         SSD         USB Power Delivery (USB PD)         y           Storage media         SSD         USB Power Delivery (USB PD)         y           Storage media         SSD         USB Power Delivery (USB PD)         y           Voltal Stos capacity         \$12 GB         USB Power Delivery (USB PD)         y           SSD Interface         \$12 GB         USB Power Delivery (USB PD)         y           NUM         \$2 GB         USB Power Delivery (USB PD)         y           SSD Interface         \$12 GB         USB Power Delivery (USB PD)         y           SSD Interface	·		Number of battery cells	3
Memory layout (slots x size)   2 x 8 GB   Battery vectage time   3 h   A   Memory slots   2x 50-DIMM   Battery weight   220 g   Memory data transfer rate   5200 MT/s   Power   Total storage capacity   512 GB   USB your Charging port   70-240 V   Total storage capacity   512 GB   USB Power Delivery (USB PD)   V   Total storage capacity   512 GB   USB Power Delivery (USB PD)   V   Total storage capacity   512 GB   USB Power Delivery (USB PD)   V   Total storage capacity   512 GB   USB Power Delivery (USB PD)   V   Total storage capacity   512 GB   USB Power Delivery (USB PD)   V   Total storage capacity   512 GB   USB Charging ournant   50.5 A   SSD capacity   512 GB   USB Charging current   50.5 A   SSD capacity   512 GB   USB Charging current   50.5 A   SSD capacity   70 CT   70 CT   70 CT   SSD form factor   M.2   Cable lock slot   V   SSD form factor   M.2   Cable lock slot   V   SSD form factor   M.2   Cable lock slot type   Wedge   SSD form factor   M.2   Trusted Platform Module (TPM)   V   Card reader integrated   V   Trusted Platform Module (TPM)   V   Card reader integrated   V   Trusted Platform Module (TPM)   V   Card reader integrated   V   Operating temperature (T-T)   40 - 65 °C   Discrete graphics card memory   4 GB   Capacity	, ,,		Battery capacity *	54 Wh
Memory slots         2x SO-DIMM         Battery weight         210           Maximum internal memory*         64 GB         Power           Memory data transfer rate         5200 MT/s         AC adapter power         130 W           Non-ECC         x         AC adapter input voltage         50/60 Hz           Storage         X         AC adapter input voltage         100 - 240 V           Storage media*         SSD         USB Power Delivery (USB PD)         x           Storage media*         SSD         USB Power Delivery (USB PD)         x           Storage media*         SSD         USB Power Delivery (USB PD)         x           Storage media*         SSD         USB Power Delivery (USB PD)         x           Storage media*         SSD         SSD Storage (USB PD)         x           SSD performance class         12 GB         USB Power Delivery (USB PD)         x           SSD performance class         35         Smart card reader         x         x           Card reader integrated         X         Trusted Platform Module (TPM)         x         x           Card reader integrated         X         Trusted Platform Module (TPM)         x         x         x           Card reader integrated         X         X<	•		· ·	
Maximum internal memory " Memory data transfer rate (as possible memory data transfer rate) (as possible memory data transfer rate) (as possible memory cards) (as possible memory type (DDR6 (DD			· -	
Mon-ECC			Battery weight	220 g
Storage	Memory data transfer rate	5200 MT/s	Power	
Storage         AC adapter input voltage         100 - 240 V           Total storage capacity         512 GB         USB Type-C charging port         ✓           Storage media         55D         USB Power Delivery (USB PD)         ✓           Total SSDs capacity         512 GB         USB charging voltage         20,5 V           SSD capacity         512 GB         USB charging current         6.5 A           SSD Interface         PC Express 4.0         Security         Wedge           SSD form factor         M.2         Cable lock slot type         Wedge           SSD performance class         35         Smart card reader         ✓           Optical drive type         X         Trusted Platform Module (TPM)         ✓           Card reader integrated         ✓         Trusted Platform Module (TPM)         ✓           Card reader integrated         ✓         Operational conditions         Version           Card reader integrated         ✓         Operational conditions         Version           Discrete applies memory cards         MINIDA RTX ASO0         Operating temperature (T-T)         40 - 65 °C           Discrete graphics card model         NVIDIA         Storage relative humidity (H-H)         10 - 99%           Discrete graphics card model         NVID	Non-ECC	✓	AC adapter power	130 W
Total storage capacity   S12 GB	Storage		, , ,	,
Storage media	•	512 GR		
Total SSDs capacity   S12 GB	. ,		,, s s .	1
Number of SSDs installed         1         USB charging outleage         20,5 V           SSD capacity         512 GB         USB charging current         6.5 A           SSD interface         PCI Express 4.0         Security         V           NVMe         Y         Cable lock slot         Y           SSD performance class         35         Smart card reader         Y           Optical drive type*         X         Trusted Platform Module (TPM) version         2.0           Compatible memory cards         MicroSDXC         Operational conditions         2.0           Card reader integrated         Y         Trusted Platform Module (TPM) version         2.0           Compatible memory cards         MicroSDXC         Operation temperature (T-T)         4.0         4.0           Card reader integrated         Y         Operation temperature (T-T)         4.0         5.5 °C           Compatible memory cards         MicroSDXC         Operating temperature (T-T)         4.0         6.5 °C           Discrete graphics ard model*         NVIDIA RTX ASOO         Operating temperature (T-T)         4.0         6.5 °C           Discrete graphics ard momory         4 GB         Storage relative humidity (H-H)         10 - 90%			USB Power Delivery (USB PD)	1
SSD capacity         512 GB           SSD interface         PCI Express 4.0         Security           NVMe         Y         Cable lock slot         Y           SSD form factor         M.2         Cable lock slot type         Wedge           SSD performance class         35         Smart card reader         Y           Optical drive type*         X         Trusted Platform Module (TPM) version         Y           Card reader integrated         Y         Trusted Platform Module (TPM) version         2.0           Compatible memory cards         MicroSDXC         Operating call store the platform Module (TPM) version         2.0           Graphics         Operating latting management of the platform Module (TPM) version         2.0           Graphics         VIDIA         Storage tamp and module (TPM) version         2.0           Discrete graphics ard model*         NVIDIA RTX A500         Operating temperature (T-T)         40 - 65 °C           Discrete graphics card model*         VIDIA RTX A500         Operating altitude         15.2 - 3048 m           Discrete graphics card momory type         GDR6         Operating altitude         15.2 - 3048 m           On-board graphics card family         Intel Iris Xe Graphics         Operating vibration         10 G           Discrete graphics card fam			5 5 5	
NVMe	SSD capacity	512 GB	USB charging current	6.5 A
SSD form factor M.2 Cable lock slot type Wedge SSD performance class 35 Smart card reader ✓ Optical drive type * X Trusted Platform Module (TPM) ✓ Card reader integrated ✓ Compatible memory cards MicroSDTC  Graphics  Graphics  Operating temperature (T-T) 0.35 °C  Discrete GPU manufacturer Discrete graphics card model * NVIDIA Storage temperature (T-T) 0.95%  Discrete graphics card model * NVIDIA Storage temperature (T-T) 0.95%  Discrete graphics card memory 4 GB Storage relative humidity (H-H) 10.90%  Discrete graphics memory type GDDR6 Operating altitude 15.2 - 3048 m On-board graphics card * ✓ On-board graphics card family Intel Iris Xe Graphics Operating shock 110 G On-board graphics card model Intel Iris Xe Graphics Operating shock 110 G On-board graphics card family Intel Iris Xe Graphics Operating vibration 0.66 G On-board graphics card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe Graphics Operating vibration 1.3 G On-board graphics Card model Intel Iris Xe G	SSD interface	PCI Express 4.0	Security	
SSD performance class 35 Smart card reader   Optical drive type   X Trusted Platform Module (TPM)   Card reader integrated   Compatible memory cards   MicroSDXC   Operational conditions   Operating temperature (T-T)   Operating elative humidity (H-H)   Operating altitude   Operating altitude   Operating altitude   Operating altitude   Operating altitude   Operating shock   On-board graphics card   On-board graphics card   On-board graphics card   On-board graphics card family   Intel Iris Xe Graphics   Operating vibration   Operating vibration   On-board graphics card family   Intel Iris Xe Graphics   Operating vibration   Operating v	NVMe	✓	Cable lock slot	1
Optical drive type*         X         Trusted Platform Module (TPM) version         V           Card reader integrated         V         Trusted Platform Module (TPM) version         2.0           Compatible memory cards         MicroSDXC         Operational conditions         3.0           Graphics           Discrete GPU manufacturer         NVIDIA         Storage temperature (T-T)         -40 - 65 °C           Discrete graphics card model * NVIDIA RTX A500         Operating relative humidity (H-H)         10 - 90%           Discrete graphics card memory type         GDDR6         Operating altitude         -15.2 - 3048 m           On-board graphics memory type         GDDR6         Operating shock         110 G           On-board graphics card *         V         Non-operating shock         110 G           On-board graphics card family         Intel Iris Xe Graphics         Operating vibration         0.66 G           On-board graphics card model *         Intel Iris Xe Graphics         Non-operating vibration         0.66 G           Audio system         MaxxAudio         Width         357.8 mm           Audio system         MaxxAudio         Width         357.8 mm           Number of built-in speakers         2         Weight (front)         2.08 cm <t< td=""><td>SSD form factor</td><td>M.2</td><td>Cable lock slot type</td><td>Wedge</td></t<>	SSD form factor	M.2	Cable lock slot type	Wedge
Card reader integrated  Compatible memory cards  MicroSDXC  Operating temperature (T-T) Operating relative humidity (H-H) Operating relative humidity (H-H) Operating altitude Operating altitude Operating altitude Operating altitude Operating altitude Operating shock On-board GPU manufacturer On-board GPU manufacturer Operating shock On-board graphics card  V Non-operating shock Operating vibration Opera	SSD performance class	35	Smart card reader	1
Compatible memory cards     MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC     Version     2.0       Graphics     Operating temperature (T-T)     0 - 35 °C       Discrete GPU manufacturer     NVIDIA RTX A500     Operating temperature (T-T)     -40 - 65 °C       Discrete graphics card model *     NVIDIA RTX A500     Operating relative humidity (H-H)     0 - 90%       Discrete graphics card memory 4 GB     Storage relative humidity (H-H)     0 - 95%       Discrete graphics memory type     GDDR6     Operating altitude     -15.2 - 3048 m       On-board GPU manufacturer     Intel     Operating shock     110 G       Discrete graphics card *     ✓     Non-operating shock     110 G       On-board GPU manufacturer     Intel Iris Xe Graphics     Operating vibration     0.66 G       Discrete graphics card family     Intel Iris Xe Graphics     Operating vibration     0.3 G       On-board graphics card family     Intel Iris Xe Graphics     Non-operating vibration     0.3 G       Audio     Weight & dimensions     357.8 mm       Number of built-in speakers     2     Depth     233.3 mm       Speakers manufacturer     Waves     Height (front)     2.08 cm       Speaker power     2 W     Height (rear)     2.28 cm       Built-in microphone     ✓     Total carbon footprint (kg of CO2e)     <	Optical drive type *	×	Trusted Platform Module (TPM)	✓
Compatible memory cards         MicroSDXC         version           Graphics         Operating temperature (T-T)         0 - 35 °C           Discrete GPU manufacturer         NVIDIA         Storage temperature (T-T)         -40 - 65 °C           Discrete GPU manufacturer         NVIDIA RTX A500         Operating relative humidity (H-H)         10 - 90%           Discrete graphics card memory         4 GB         Storage relative humidity (H-H)         0 - 95%           Discrete graphics memory type         GDDR6         Operating altitude         -15.2 - 3048 m           On-board graphics card *         ✓         Non-operating altitude         -15.2 - 10668 m           On-board GPU manufacturer         Intel         Operating shock         110 G           Discrete graphics card family         Intel Iris Xe Graphics         Operating vibration         0.66 G           On-board graphics card family         Intel Iris Xe Graphics         Non-operating vibration         0.66 G           On-board graphics card model *         Intel Iris Xe Graphics         Non-operating vibration         0.66 G           Audio         Weight & dimensions         **           Audio system         MaxxAudio         Width         357.8 mm           Number of built-in speakers         2         Emberty (Fent)         2.08 cm <td>Card reader integrated</td> <td><b>✓</b></td> <td>Trusted Platform Module (TPM)</td> <td>2.0</td>	Card reader integrated	<b>✓</b>	Trusted Platform Module (TPM)	2.0
Graphics     Operating temperature (T-T)     0 - 35 °C       Discrete GPU manufacturer     NVIDIA     Storage temperature (T-T)     -40 - 65 °C       Discrete graphics card model *     NVIDIA RTX A500     Operating relative humidity (H-H)     10 - 90%       Discrete graphics card memory     4 GB     Storage relative humidity (H-H)     0 - 95%       Discrete graphics memory type     GDDR6     Operating altitude     -15.2 - 3048 m       On-board graphics card *     ✓     Non-operating altitude     -15.2 - 10668 m       On-board GPU manufacturer     Intel     Operating shock     110 G       Discrete graphics card *     ✓     Non-operating shock     160 G       On-board graphics card family     Intel Iris Xe Graphics     Operating vibration     0.66 G       On-board graphics card model *     Intel Iris Xe Graphics     Non-operating vibration     1.3 G       Audio       Audio     Weight & dimensions       Audio system     MaxxAudio     Width     357.8 mm       Number of built-in speakers     2     Depth     2.33.3 mm       Speakers manufacturer     Waves     Height (rear)     2.28 cm       Speaker power     2 W     Weight *     1.61 kg       Built-in microphone     2     Carbon footprint       Camera	Compatible memory cards			2.0
Discrete GPU manufacturer     NVIDIA RTX A500     Operating relative humidity (H-H)     10 - 90%       Discrete graphics card model *     NVIDIA RTX A500     Operating relative humidity (H-H)     10 - 90%       Discrete graphics card memory     4 GB     Storage relative humidity (H-H)     0 - 95%       Discrete graphics memory type     GDDR6     Operating altitude     -15.2 - 3048 m       On-board graphics card *     ✓     Non-operating altitude     -15.2 - 10668 m       On-board GPU manufacturer     Intel     Operating shock     110 G       Discrete graphics card *     ✓     Non-operating shock     160 G       On-board graphics card family     Intel Iris Xe Graphics     Operating vibration     0.66 G       On-board graphics card model *     Intel Iris Xe Graphics     Non-operating vibration     1.3 G       Audio     Weight & dimensions     *       Audio system     MaxxAudio     Width     357.8 mm       Number of built-in speakers     2     Depth     233.3 mm       Speakers manufacturer     Waves     Height (front)     2.08 cm       Speaker power     2 W     Height (rear)     2.28 cm       Built-in microphone     ✓     Carbon enissions, standard deviation (kg of CO2e)     327       Front camera     ✓     Carbon emissions, snanufacturing (kg of CO2e)     2	Graphics		•	0 - 35 °C
Discrete graphics card memory Discrete graphics memory type Discrete graphics memory type Discrete graphics memory type Discrete graphics memory type Discrete graphics card * ✓ Non-operating altitude Operating shock Discrete graphics card * ✓ Non-operating shock Discrete graphics card family Discrete gra	Discrete GPU manufacturer	NVIDIA		
Discrete graphics memory type       GDDR6       Operating altitude       -15.2 - 3048 m         On-board graphics card *       ✓       Non-operating altitude       -15.2 - 10668 m         On-board GPU manufacturer       Intel       Operating shock       110 G         Discrete graphics card *       ✓       Non-operating shock       160 G         On-board graphics card family       Intel Iris Xe Graphics       Operating vibration       0.66 G         On-board graphics card model *       Intel Iris Xe Graphics       Non-operating vibration       1.3 G         Audio       Weight & dimensions       **         Audio system       MaxxAudio       Width       357.8 mm         Number of built-in speakers       2       Depth       233.3 mm         Speakers manufacturer       Waves       Height (front)       2.08 cm         Speaker power       2 W       Height (rear)       2.28 cm         Built-in microphone       ✓       Weight *       1.61 kg         Number of microphones       2       Carbon footprint       327         Front camera       ✓       Carbon emissions, standard deviation (kg of CO2e)       68         Front camera resolution       1920 x 1080 pixels       Carbon emissions, nanufacturing (kg of CO2e)       277	Discrete graphics card model *	NVIDIA RTX A500	Operating relative humidity (H-H)	10 - 90%
On-board graphics card *       ✓       Non-operating altitude       -15.2 - 10668 m         On-board GPU manufacturer       Intel       Operating shock       110 G         Discrete graphics card *       ✓       Non-operating shock       160 G         On-board graphics card family       Intel Iris Xe Graphics       Operating vibration       0.66 G         On-board graphics card model *       Intel Iris Xe Graphics       Non-operating vibration       1.3 G         Audio         Audio       Weight & dimensions         Number of built-in speakers       2       Depth       357.8 mm         Number of built-in speakers       2       Depth       233.3 mm         Speaker power       4       Height (front)       2.08 cm         Speaker power       2 W       Height (rear)       2.28 cm         Built-in microphone       ✓       Weight *       1.61 kg         Camera         Front camera       ✓       Carbon footprint       68         Front camera resolution (numeric)       2.07 MP       Carbon emissions, manufacturing (kg of CO2e)       277         Front camera HD type       Full HD       Carbon emissions, logistics (kg of CO2e)       12	Discrete graphics card memory	4 GB	Storage relative humidity (H-H)	0 - 95%
On-board GPU manufacturer       Intel       Operating shock       110 G         Discrete graphics card *       ✓       Non-operating shock       160 G         On-board graphics card family       Intel Iris Xe Graphics       Operating vibration       0.66 G         On-board graphics card model *       Intel Iris Xe Graphics       Non-operating vibration       1.3 G         Audio         Weight & dimensions         Width       357.8 mm         Number of built-in speakers       2       Depth       233.3 mm         Speakers manufacturer       Waves       Height (front)       2.08 cm         Speaker power       2 W       Height (rear)       2.28 cm         Built-in microphone       ✓       Weight *       1.61 kg         Camera         Font camera       ✓       Carbon footprint       X         Front camera resolution (numeric)       2.07 MP       Carbon emissions, manufacturing (kg of CO2e)       277         Front camera resolution       1920 x 1080 pixels       Carbon emissions, logistics (kg of CO2e)       12	Discrete graphics memory type	GDDR6	Operating altitude	-15.2 - 3048 m
Discrete graphics card ★ ✓ Non-operating shock 160 G On-board graphics card family Intel Iris Xe Graphics Operating vibration 0.66 G On-board graphics card model ★ Intel Iris Xe Graphics Non-operating vibration 1.3 G  Audio  Audio Weight & dimensions  Audio system MaxxAudio Width 357.8 mm  Number of built-in speakers 2 Depth 233.3 mm  Speakers manufacturer Waves Height (front) 2.08 cm  Speaker power 2 W Height (rear) 2.28 cm  Built-in microphone ✓ Weight ★ 1.61 kg  Number of microphones 2 Carbon footprint  Front camera ✓ Total carbon footprint (kg of CO2e) 327  Front camera resolution (numeric) 2.07 MP Carbon emissions, standard deviation (kg of CO2e) (kg of CO2e) 570  Front camera resolution 1920 x 1080 pixels (kg of CO2e) (kg of CO2e) 570  Front camera HD type Full HD Carbon emissions, logistics (kg of CO2e) 12	On-board graphics card *	✓		
On-board graphics card family	On-board GPU manufacturer	Intel		
On-board graphics card model * Intel Iris Xe Graphics  Audio  Audio  Audio System MaxxAudio Width 357.8 mm  Number of built-in speakers 2 Depth 233.3 mm  Speakers manufacturer Waves Height (front) 2.08 cm  Speaker power 2 W Height (rear) 2.28 cm  Built-in microphone ✓ Weight * 1.61 kg  Number of microphones 2 Carbon footprint  Camera  Front camera resolution (numeric) 2.07 MP  Front camera resolution 1920 x 1080 pixels Full HD  Non-operating vibration 1.3 G  Weight & dimensions  Width 357.8 mm  Popth 233.3 mm  2.08 cm  2.08 cm  Weight * 1.61 kg  Total carbon footprint  Total carbon footprint (kg of CO2e) 327  Total carbon emissions, standard deviation (kg of CO2e)  Front camera resolution 1920 x 1080 pixels (kg of CO2e)  Front camera HD type Full HD  Carbon emissions, logistics (kg of Full HD  Carbon emissions, logistics (kg of Full HD	Discrete graphics card *	✓		
AudioAudio systemMaxxAudioWidth357.8 mmNumber of built-in speakers2Depth233.3 mmSpeakers manufacturerWavesHeight (front)2.08 cmSpeaker power2 WHeight (rear)2.28 cmBuilt-in microphone✓Weight *1.61 kgNumber of microphones2Carbon footprintCameraTotal carbon footprint (kg of CO2e)327Front camera✓Total carbon emissions, standard deviation (kg of CO2e)68Front camera resolution (numeric)2.07 MPCarbon emissions, manufacturing (kg of CO2e)277Front camera resolution1920 x 1080 pixels(kg of CO2e)277Front camera HD typeFull HDCarbon emissions, logistics (kg of CO2e)12		•		
Audio system MaxxAudio Width 357.8 mm  Number of built-in speakers 2 Depth 233.3 mm  Speakers manufacturer Waves Height (front) 2.08 cm  Speaker power 2 W Height (rear) 2.28 cm  Built-in microphone Weight * 1.61 kg  Number of microphones 2  Carbon footprint  Camera  Front camera Front camera resolution (numeric) 2.07 MP  Front camera resolution 1920 x 1080 pixels (kg of CO2e)  Front camera HD type  Midth 357.8 mm  357.8 mm  233.3 mm  Height (front) 2.08 cm  2 carbon footprint (kg of CO2e) 3.27  Total carbon footprint (kg of CO2e) 68  Carbon emissions, standard deviation (kg of CO2e) 77  Carbon emissions, manufacturing (kg of CO2e) 77  Carbon emissions, manufacturing (kg of CO2e) 77  Carbon emissions, logistics (kg of CO2e) 12	On-board graphics card model *	Intel Iris Xe Graphics		1.5 G
Number of built-in speakers  Speakers manufacturer  Waves  Height (front)  Height (rear)  Weight *  Carbon footprint  Camera  Front camera resolution (numeric)  Front camera resolution  1920 x 1080 pixels  Poepth  Height (front)  Height (front)  Height (rear)  Weight *  Carbon footprint  Carbon footprint  Total carbon footprint (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Front camera resolution  Front camera resolution  Front camera HD type  Full HD  Depth  233.3 mm  2.08 cm  Height (front)  2.28 cm  Weight *  Total carbon footprint  Carbon footprint  Carbon footprint  Carbon emissions, standard deviation (kg of CO2e)  Front camera resolution  Front camera resolution  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)	Audio			
Speakers manufacturer  Speaker power  Speaker power  Built-in microphone  V  Number of microphones  2  Carbon footprint  Total carbon footprint (kg of CO2e)  Front camera resolution (numeric)  Front camera resolution  1920 x 1080 pixels  Front camera HD type  Full HD  Waves  Height (front)  2.08 cm  1.61 kg  Carbon footprint  Total carbon footprint  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)	Audio system	MaxxAudio		
Speaker power  Speaker power  Built-in microphone  V  Weight *  1.61 kg  Number of microphones  2  Carbon footprint  Total carbon footprint (kg of CO2e)  Front camera  Front camera resolution (numeric)  Front camera resolution  1920 x 1080 pixels  Front camera HD type  Full HD  Height (rear)  Carbon footprint  Total carbon footprint (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)			•	
Built-in microphone  Weight * 1.61 kg  Number of microphones 2  Carbon footprint  Total carbon footprint (kg of CO2e) 327  Total carbon emissions, standard deviation (kg of CO2e)  Front camera resolution (numeric) 2.07 MP  Front camera resolution 1920 x 1080 pixels (kg of CO2e)  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  12			<del>-</del>	
Number of microphones 2  Camera  Total carbon footprint (kg of CO2e) 327  Total carbon emissions, standard deviation (kg of CO2e)  Front camera resolution (numeric) 2.07 MP  Front camera resolution 1920 x 1080 pixels (kg of CO2e)  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  12			<del>-</del>	
CameraTotal carbon footprint (kg of CO2e)327Front camera✓Total carbon emissions, standard deviation (kg of CO2e)68Front camera resolution (numeric)2.07 MPCarbon emissions, manufacturing (kg of CO2e)277Front camera resolution1920 x 1080 pixels(kg of CO2e)277Front camera HD typeFull HDCarbon emissions, logistics (kg of CO2e)12	•			1.01 kg
Front camera Front camera resolution (numeric)  Front camera resolution (numeric)  Front camera resolution  1920 x 1080 pixels  Front camera HD type  Full HD  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Front camera HD type  Full HD  Carbon emissions, logistics (kg of CO2e)  12	Number of microphones	2	·	227
Front camera deviation (kg of CO2e)  Front camera resolution (numeric)  Front camera resolution  1920 x 1080 pixels  Front camera HD type  Full HD  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  12	Camera		,	
Front camera resolution (numeric)  Front camera resolution  Front camera resolution  1920 x 1080 pixels  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  12	Front camera	✓		68
Front camera resolution 1920 x 1080 pixels (kg of CO2e)  Front camera HD type Full HD Carbon emissions, logistics (kg of CO2e)  1277  Carbon emissions, logistics (kg of CO2e)	Front camera resolution (numeric)	2.07 MP	<del>-</del>	277
CO20)		•	(kg of CO2e)	411
Video capturing speed 30 fps	- ·			12
	Video capturing speed	30 tps	00201	

Camera		Carbon footprint	
Privacy camera	✓	Carbon emissions, energy usage (kg of CO2e)	36
Privacy type	Privacy shutter	· · · · · · · · · · · · · · · · · · ·	
Network		Carbon emissions, end-of-life (kg of CO2e)	2
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Total carbon emissions, w/o use phase (kg of CO2e) PAIA version	291
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)		1.3.2



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