

## DELL XPS 14 9440 Intel Core Ultra 7 155H Laptop 36.8 cm (14.5") Full HD+ 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Pro UK English Silver

Brand : DELL Product family: XPS Product code: NPH8F

**Product name: 9440** 

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 155H (24MB Cache)
- 36.8 cm (14.5") Full HD+ 1920 x 1200 IPS, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 155H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 36.8 cm (14.5") Full HD+ 1920  $\times$  1200 IPS, Intel Arc Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit

DELL XPS 14 9440 Intel Core Ultra 7 155H Laptop 36.8 cm (14.5") Full HD+ 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Pro UK English Silver:

Power your passions with premium, precision-crafted laptops with innovative features. DELL XPS 14 9440. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 155H. Display diagonal: 36.8 cm (14.5"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Pro. Product colour: Silver





Design		Camera	
Product type *  Product colour *  Form factor *  Housing material  Intel® vPro™ Platform Eligibility	Laptop Silver Clamshell Aluminium	Front camera Front camera resolution (numeric) Front camera resolution Front camera HD type Video capturing speed Infrared (IR) camera	2.07 MP 1920 x 1080 pixels Full HD 30 fps
Display		Privacy camera	·
Display diagonal *	36.8 cm (14.5")	Privacy type	Privacy shutter
Display resolution * Touchscreen *	1920 x 1200 pixels		Trivacy Shace
HD type Panel type LED backlight Native aspect ratio Anti-glare screen Display bezel technology Display brightness Pixel density RGB colour space Colour gamut	Full HD+ IPS  InfinityEdge  500 cd/m²  156 ppi  sRGB  100%	Network  Top Wi-Fi standard *  Wi-Fi standards  Mobile network connection *  Wi-Fi data rate (max)  Antenna type  WLAN controller model  WLAN controller manufacturer  Bluetooth	Wi-Fi 6E (802.11ax) 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax)
Maximum refresh rate	120 Hz	Ports & interfaces	
Contrast ratio (typical)	2000:1	Thunderbolt 4 ports quantity	3
Processor		Intel® Thunderbolt 4	<b>✓</b>
Processor manufacturer * Processor family * Processor generation	Intel Core Ultra 7 Intel® Core™ Ultra (Series 1) 155H 16 22 equency 4.8 GHz	Combo headphone/mic port USB Type-C DisplayPort Alternate Mode	<b>/</b>
Processor model *		Performance	
Processor cores		Ambient light sensor	✓
Processor threads		Keyboard	
Processor boost frequency Performance cores		Pointing device	Touchpad
Efficient cores	8	Numeric keypad *	×

Processor         Keybaard           Verformance-core Nax Turbor         2         Keyboard backits         # Commence of Nax Turbor Frequency           Efficience Core Max Turbor Frequency         3.6 GHz         Software         64 Bit Core Core Max Turbor Frequency           Efficience Core Max Turbor Frequency         3.6 GHz         Operating system included:         64 Bit German, Durch, English, French, Including French, I				
Performance-core Max Turbo         4,8 GHz         Keyboard language         UK English           Efficience Max Turbo Frequency         3,5 GHz         Operating system architecture         64-bit           Frequency         2,5 GHz         Operating system language         64-bit           Efficience core base frequency         1,4 GHz         Tid software         McARce Business Protection 1: very Activate Your Microsoft 355 For Prequency           Efficience core base frequency         24 MB         Operating system installed         Windows 11 For           Processor cache type         52 MB         depoting system installed         Windows 11 For           Processor cache type         52 MB         depoting system installed         Windows 11 For           Processor cache type         52 MB         depoting system installed         Windows 11 For           Nexual processor unit (NPU)         Incl Al Boust         Mactery         Battery         Battery         Battery Cachegoly         Elhium Polymer (LiPo)           Nexual processor unit (NPU)         Incl Al Boust         Battery vechage         11,7 V         Au 1,7 V           Nazimum frequency NPU         15 GB         Ac Cachegoly         70 WIndows ML         Battery vechage         11,7 V           Windows ML         24 GB         Battery vechage         10.0 V	Processor		Keyboard	
Frequency	Low Power Efficient-cores	2	Keyboard backlit	✓
Elicitant Core Max Turbo Frequency   1.6 GHz   Operating system architecture   64-bit   Prequency   0.7 GHz   Operating system architecture   Cerman, Duth, English, French, Inglish, French, Inglish, Cerman, Outcome State (Core Date Prequency   0.9 GHz   Operating system inanguage   Cerman, Outcome State (Core Date Prequency   0.9 GHz   Operating system inanguage   Operating system inabiled   Operating system in		4.8 GHz	Keyboard language	UK English
Down Nove Efficient-core Max Turns   1.4 GMz		3 8 CH2	Software	
Fequinny	' '		Operating system architecture	64-bit
Efficiency   Control   C	Frequency			
Trial software   April   Apr				
Processor cache type         24 MB         Operating system installed with section processor base power         28 W         Processor becale factures         Processor becale factures         Processor pecial factures         Processor p	Low Power Efficient-core Base		Trial software	year, Activate Your Microsoft 365 For
Processor cache type         Smart Cache         Processor special features         V           Processor base power         28 W         Intel® Evo* Platform Verified         V           Neural processor unit (NPU)         Intel Al Boost         Battery technology         Lithium Polymer (LIPo)           Maximum frequency NPU         1.4 GHz         Battery voltage         11.7 V           Mindows Studio effects support         V         Battery voltage         11.7 V           Al software frameworks supported by NPU         DirectMC, NONX RT, Open VINO         Fast charging         V           Memory         Internal memory*         1.6 GB         AC adapter power         100 W           Internal memory by         LPDDBS-SDRAM         AC adapter proper         100 W           Memory form factor         0.0-board         AC adapter input voltage         100 W           Memory form factor         1.6 GB         AC adapter input voltage         100 V           Memory form factor         AC adapter input voltage         100 V           Memory form factor         1.6 GB         AC adapter input voltage         100 V           Memory channels         1.6 GB         AC adapter input voltage         100 V           Memory channels         1.8 GB         Forestring         4 C 40 F C C G G C		24 MB	Operating system installed *	Windows 11 Pro
Maximum turbo power   15 W   Sattery   Sattery   Sattery technology   Lithium Polymer (LIPO)   Maximum frequency NPU   1.4 GHz   Sattery technology   Maximum frequency NPU   1.4 GHz   Sattery voltage   1.7 V   Maximum frequency NPU   1.4 GHz   Sattery voltage   1.7 V   Maximum frequency NPU   1.4 GHz   Sattery voltage   1.7 V   Maximum frequency NPU   1.8 GHZ   Sattery voltage   1.7 V   Maximum frequency NPU   1.8 GHZ   Sattery voltage   1.7 V   Maximum frequency NPU   1.8 GHZ   Sattery voltage   1.7 V   Maximum frequency NPU   1.8 GHZ   Sattery weight   2.70 g   2.70 g   Memory   1.8 GHZ   Sattery weight   2.70 g   2.70 g   Memory   1.8 GHZ   Sattery weight   2.70 g   2.70 g   Memory   1.8 GHZ   Sattery weight   2.70 g   2.70 g   Memory from factor   1.6 GHZ   Sattery weight   2.70 g   2.70 g   Maximum internal memory   1.6 GHZ   Sattery weight   2.70 g   2.70 g   Maximum internal memory   1.6 GHZ   Sattery   3.7 Sattery		Smart Cache	Processor special features	
Neural processor unit (NPU)         Intel Al Boost         Battery technology         Lithium Polymer (LPo)           Neural processor unit (NPU)         Intel Al Boost         Number of battery ceals         7 0 Wh           Sparsity support         ✓         Battery verbage         11.7 ∨           Vindows Studio effects support         ✓         Battery recharge time         4 h           A software framework's supported by NPU         DirectML, ONNX RT, OpenVINO, Windows ML         Fast charging         ✓           Memory         16 GB         AC adapter power         100 W           Internal memory bype         LPODRS×SDRAM         AC adapter frequency         50 - 60 Hz           Memory form factor         On-board         AC adapter input voltage         100 ~40 V           Memory channels         Dual-channel         AC adapter input voltage         100 ~40 V           Memory channels         TS         USB Power Delivery (USB PD)         ✓           Total storage capacity         1 TB         Security           Total storage capacity         1 TB         Security           Total SDS capacity         1 TB         Security           Total SDS storage media         1 TB         Security         40 -65 °C           SD Capacity         1 TB         40 -	Processor base power	28 W	Intel® Evo™ Platform Verified	/
Neural processor unit (NPU)	Maximum turbo power	115 W	Rattery	
Neural processor unit (NPU)   Intel Al Boost   Number of battery cells   6   Al Activation   A	Neural processor unit (NPU)			Lithium Polymer (LiPo)
Maximum frequency NPU         1.4 GHz         Battery capacity         70 Wh           Sparsity support         /         Battery verlange         11.7 V           Windows Studio effects support         /         Battery receipte time         4 h           Al software frameworks supported by NPU         Directell, IONNX RT, OpenVINO, Windows ML         Fast charging         /           Memory         16 GB         AC adapter power         100 W           Internal memory by         16 GB         AC adapter power         100 W           Memory form factor         On-board         AC adapter input voitage         100 -240 V           Memory form factor         On-board         AC adapter input voitage         100 -240 V           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         2- Cuty           Wemory data transfer rate         7467 MT/s         USB Charging voitage         5,9,15,20 V           Storage         TB         Security         1TB         Security           Storage capacity         1 TB         Operating temperature (T-)         0.35 °C           SSD capacity         1 TB         Storage temperature (T-)         40 -65 °C           SSD interface         PCI Express 4.0         Operating attitude         11.0 -90%	Neural processor unit (NPU)	Intel Al Boost	, ,,	* ' '
Sparisty support         Y         Battery voltage         11.7 Y           Windows Studio effects support by NPIU         Jointeare frameworks supported by NPIU         An ofference frameworks supported by NPIU         April Sattery recharge time         4 hn           4. software frameworks supported by NPIU         DirectML, ONNX RT, OpenVINO.         Fast charging         y           Memory         16 GB         AC adapter power         100 W           Internal memory byte         LPDDRSX-SDRAM         AC adapter frequency         50 - 60 Hz           Maximum internal memory 1         16 GB         AC adapter input voltage         100 - 240 V           Memory channels         Dual-channel         USB Typec-Charging port         y           Memory channels         7467 MT/s         Sos Carpocty         55.9,15.20 V           Storage         T         TB         Sos Carpocty         55.0 Langer (USB PD)         y           Norrage tendia *         SSD         SSD         Fingerprint reader         *         Compacting Internation         y           Total SSDs capacity         1 TB         Socrage media *         SSD         Operating entere (T-T)         40 - 65 °C           SSD pracerity         1 TB         Storage relative humidity (H+H)         10 - 90%           SV protect	Maximum frequency NPU	1.4 GHz	•	
Windows Studio effects support         ✓ Interchal, ONIX RT, OpenVINO, Windows ML         Battery recharge time         4 h         1 modername works supported by Windows ML         5 act charging         ✓ 770 g           Memory         Internal memory **         1 6 GB         Act adapter power         100 W           Internal memory type         LPDDRSx-SDRAM         AC adapter frequency         50 - 60 Hz           Memory form factor         0n-board         AC adapter input voltage         100 - 240 V           Maximum internal memory **         1 6 GB         USB Type-C charging port **         ✓           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         ✓           Storage         USB Abarging voltage         5,915,20 V           Storage media         SSD         Fingerprint reader         ✓           Total SSDs capacity         1 TB         Operational conditions         ✓           Number of SSDs installed         1         Operating temperature (T-T)         0 - 35 °C           SSD Compacity         1 TB         Operating temperature (T-T)         40 - 65 °C           SSD form factor         M.2         Operating temperature (T-T)         40 - 65 °C           Opicial drive type *         X         Non-operating altitude         15.2 - 3948 m <t< td=""><td>Sparsity support</td><td>✓</td><td>, , ,</td><td></td></t<>	Sparsity support	✓	, , ,	
All software frameworks supported by NPU   Windows ML   Past charging   Past charging port   Past char	Windows Studio effects support	/		
by NPU         Windows ML         Battery weight         270 g           Memory         Power           Internal memory * Internal memory type         16 GB         AC adapter power         100 W           Internal memory type         LPDDR5x-SDRAM         AC adapter frequency         50 - 60 Hz           Memory form factor         0n-board         AC adapter input voltage         100 - 240 V           Memory channels         Dual-channel         USB Pype- Ceharging port *         ✓           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         ✓           Storage         Storage         SEcurity         5.9,15.20 V           Storage capacity *         1 TB         Security         5.9,15.20 V           Storage media *         SSD         Fingerprint reader         ✓           Total SDG capacity         1 TB         Operating temperature (T-T)         -0 - 35 °C           SSD interface         PCI Express 4.0         Operating temperature (T-T)         -0 - 65 °C           SSD interface         PCI Express 4.0         Operating lether humidity (H-H)         10 - 90%           NMMe         ✓         Storage relative humidity (H-H)         10 - 90%           SSD interface relating manufacture         M.2         Operating altit	• • • • • • • • • • • • • • • • • • • •	DirectML ONNX RT. OpenVINO.	, ,	
Memory         16 GB         AC adapter power         100 W           Internal memory type         LPDDRSX-SDRAM         AC adapter frequency         50 - 60 Hz           Memory form factor         On-board         AC adapter input voltage         100 - 240 V           Memory form factor         Dual-channel         USB Type-C charging port **         ✓           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         ✓           Storage         TTB         Security         Security           Storage media *         SSD         Security         ✓           Storage apacity *         1 TB         Security         ✓           Storage spacity *         1 TB         Operating temperature (T-T)         0 - 35 °C           SSD installed         1         1         Operating temperature (T-T)         0 - 65 °C           SSD interface         PCI Express 4.0         Operating greative humidity (H-H)         0 - 90 °C           SSD interface         M.2         Operating altitude         -15.2 - 10668 m           Card reader integrated         ✓         Operating shock         110 G           Card reader integrated         ✓         Operating shock         160 G           Carbapitic memory cards         MicroSD (TransFla		, , ,	5 5	
Internal memory * Internal memory type         LPDDR5x-SDRAM         AC adapter frequency         50 - 60 Hz           Memory form factor         On-board         AC adapter frequency         50 - 60 Hz           Maximum internal memory *         16 GB         USB Type-C charging port *         *           Memory channels         Dual-channel         USB Power Delivery (USB PD)         *           Memory channels         VSB Power Delivery (USB PD)         *           Storage         USB Power Delivery (USB PD)         *           Storage         SSD         SECUTIV         *           Total SSDs capacity *         1 TB         Fingerprint reader         *           Storage media *         SSD         SSD         *         *           Total SSDs capacity         1 TB         Operating temperature (T-T)         0 - 35 °C           Storage media *         1 TB         Storage temperature (T-T)         -40 - 65 °C           SSD capacity         1 TB         Storage temperature (T-T)         -40 - 65 °C           SSD form factor         PCI Express 4.0         Operating relative humidity (H-H)         0 - 995%           SSD form factor         M.2         Operating shock         110 G           Optical drive type *         X         Non-operating shock <td>Memory</td> <td></td> <td>, 3</td> <td>270 g</td>	Memory		, 3	270 g
Internal memory type	•	16 GB		
Memory form factor         On-board         AC adapter irrequency         50 - 042           Maximum internal memory*         16 GB         AC adapter irrequive voltage         100 - 240 V           Memory channels         Dual-channel         USB Type-C charging port*         ✓           Memory channels         Total STOR         USB Power Delivery (USB PD)         ✓           Storage         Security           Total Storage capacity*         1 TB         Security           Total SSDs capacity         1 TB         Operational conditions           Number of SSDs installed         1         Operating temperature (T-T)         -40 - 65 °C           SSD interface         PCI Express 4.0         Operating temperature (T-T)         -40 - 65 °C           SSD form factor         M.2         Operating relative humidity (H-H)         10 - 90%           NVMe         ✓         Storage relative humidity (H-H)         0 - 95%           SSD form factor         M.2         Operating altitude         -15.2 - 3048 m           Optical drive type*         X         Non-operating shock         110 G           Card reader integrated         V         Operating voltage         110 G           Compatible memory cards         MicroSD (TransFlash), MicroSDLC, MicroSDLC         Non-operating	•		·	
Maximum internal memory * Memory channels         16 GB         As adapter input voltage         100 / 40 V Memory channels           Memory channels         Dual-channel         USB Power Delivery (USB PD)         *           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         *           Storage         USB charging voltage         5,915,20 V           Storage capacity*         1 TB         Security           Total Storage capacity         1 TB         Operating capacity         *           Number of SSDs installed         1         Operating temperature (T-T)         0 - 35 °C           SSD capacity         1 TB         Storage temperature (T-T)         -40 - 65 °C           SSD interface         PCI Express 4.0         Operating relative humidity (H-H)         10 - 90%           NMMe         *         Storage relative humidity (H-H)         0 - 95%           SSD form factor         M.2         Operating altitude         -15.2 - 3048 m           Card reader integrated         *         Non-operating shock         110 G           Card reader integrated         *         Non-operating vibration         160 G           Compatible memory cards         MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDHC, MicroSDHC, MicroSDHC, MicroSDHC, MicroSDHC, Mic	, ,,			
Memory channels         Dual-channel         USB Type-C charging port*         V           Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         V           Storage         USB charging voltage         5,915,20 V           Storage media*         SSD         Fingerprint reader         V           Total SSDs capacity         1 TB         Operational conditions         V           Number of SSDs installed         1         Operating temperature (T-T)         40 - 65 °C           SSD capacity         1 TB         Storage temperature (T-T)         40 - 65 °C           SSD spacity         1 TB         Storage temperature (T-T)         40 - 65 °C           SSD interface         PCI Express 4.0         Operating altitude miditity (H-H)         10 - 90%           NVMe         *         Storage relative humidity (H-H)         0 - 95%           SSD form factor         M.2         Operating altitude         -15.2 - 3048 m           Optical drive type*         X         Non-operating altitude         15.2 - 10668 m           Card reader integrated         *         Operating shock         110 G           Compatible memory cards         MicroSD (TransFlash), MicroSDHC, MicroSD (Wildensold)         Non-operating wibration         1.36 G           Disc	•		AC adapter input voltage	100 - 240 V
Memory data transfer rate         7467 MT/s         USB Power Delivery (USB PD)         ✓           Storage         Security         Security           Total storage capacity*         1 TB         Security           Total SSDs capacity         1 TB         Operational conditions           Number of SSDs installed         1 TB         Operating temperature (T-T)         40 - 65 °C           SSD capacity         1 TB         Operating temperature (T-T)         40 - 65 °C           SSD capacity         1 TB         Storage temperature (T-T)         40 - 65 °C           SSD capacity         1 TB         Storage temperature (T-T)         40 - 65 °C           NVMe         ✓         Storage temperature (T-T)         40 - 65 °C           NVMe         ✓         Storage temperature (T-T)         40 - 65 °C           SSD form factor         M.2         Operating store humidity (H-H)         10 - 99%           SSD form factor         M.2         Operating stored humidity (H-H)         0 - 99%           SSD form factor         M.2         Operating stock         110 G           Optical drive type *         X         Non-operating stock         110 G           Card reader integrated         ✓         Operating stock         120 G           MicroSD	·		USB Type-C charging port *	<b>✓</b>
Storage         Jost Adarging voltage         5,15,20 V           Total storage capacity *         1 TB         Security           Total Storage media *         SSD         Fingerprint reader         ✓           Total SSDs capacity         1 TB         Operating temperature (T-T)         0 - 35 °C           SSD capacity         1 TB         Storage temperature (T-T)         40 - 65 °C           SSD interface         PCI Express 4.0         Operating leative humidity (H-H)         10 - 90%           NVMe         ✓         Storage relative humidity (H-H)         0 - 90%           NVMe         ✓         Operating altitude         -15.2 - 3048 m           Optical drive type *         X         Non-operating altitude         -15.2 - 10668 m           Card reader integrated         ✓         Operating shock         110 G           Compatible memory cards         MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDHC         Operating vibration         0.66 G           Forabics         Non-operating vibration         0.66 G           Discrete graphics card model *         NVIDIA GeForce RTX 4050         Width         320 mm           Discrete graphics card memory degraphics card memory degraphics card family         6DR6         Height (rear)         1.8 cm	•		USB Power Delivery (USB PD)	✓
Total storage capacity   SSD   Fingerprint reader   Fingerprint reader read   Fingerprint reader   Fingerprint reader read   Fingerprint reader   Fingerprint reader read   Fingerprint reader read   Fingerprint reader read   Fingerprint reader read   Fingerprint reader reader read   Fingerprint reader rea	•		USB charging voltage	5,9,15,20 V
Storage media*         SSD         Fingerprint reader         V           Total SSDs capacity         1 TB         Operational conditions           Number of SSDs installed         1         Operating temperature (T-T)         0 - 35 °C           SSD capacity         1 TB         Storage temperature (T-T)         0 - 65 °C           SSD interface         PCI Express 4.0         Operating relative humidity (H-H)         10 - 90%           NVMe         V         Storage relative humidity (H-H)         0 - 95%           SSD form factor         M.2         Operating altitude         -15.2 - 3048 m           Optical drive type*         X         Non-operating altitude         -15.2 - 10668 m           Card reader integrated         V         Operating shock         110 G           Card reader integrated         V         Operating shock         160 G           Compatible memory cards         MicroSD (TransFlash), MicroSDHC, MicroSDHC         Non-operating shock         160 G           Compatible memory cards         MicroSD (TransFlash), MicroSDHC         Non-operating shock         160 G           Discrete graphics ard         NVIDIA         Weight & dimensions         320 mm           Discrete graphics card monory         6 GB         Depth         216 mm           Discret		1 TD	Security	
Total SSDs capacity  Number of SSDs installed  1  Operating temperature (T-T)  Storage temperature (T-T)  Storage temperature (T-T)  Storage temperature (T-T)  Ad - 65 °C  SSD interface  PCI Express 4.0  Operating relative humidity (H-H)  NVMe  PCI Express 4.0  Operating relative humidity (H-H)  Storage relative humidity (H-H)  O - 95%  SSD form factor  M.2  Operating altitude  Operating altitude  P15.2 - 3048 m  Non-operating altitude  P15.2 - 3048 m  Non-operating altitude  Operating shock  I10 G  Non-operating shock  I10 G  Operating vibration  O	- , ·		Fingerprint reader	<b>✓</b>
Number of SSDs installed  1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•			
SSD capacity 1TB SSD interface PCI Express 4.0 Operating temperature (1-T) 40 - 65 °C SSD interface PCI Express 4.0 Operating relative humidity (H-H) 10 - 90% NVMe	' '		•	
SSD interface PCI Express 4.0 Operating relative humidity (H-H) 10 - 90%  NVMe			·	
NVMe			J , , ,	
SSD form factor M.2 Operating altitude -15.2 - 3048 m Optical drive type * X Non-operating altitude -15.2 - 10668 m Card reader integrated		•		
Optical drive type * X Non-operating altitude			, , ,	
Card reader integrated  Compatible memory cards  MicroSD (TransFlash), MicroSDHC, MicroSDHC, MicroSDXC  Operating shock  Non-operating shock  Operating shock  Operating shock  Operating shock  Operating shock  Operating vibration  Operating shock  Operating vibration  Operating vibration  Operating shock  Operating vibration  Operatin				
Compatible memory cards  MicroSDXC  Non-operating shock Operating vibration Operation	, ,,		, ,	
Graphics  Non-operating vibration  Discrete GPU manufacturer  Discrete graphics card model*  NVIDIA  NVIDIA  Weight & dimensions  Discrete graphics card memory  6 GB  Depth  Discrete graphics card memory  6 GB  Depth  Discrete graphics memory type  GDDR6  Height (front)  On-board graphics card*  V  On-board GPU manufacturer  Intel  Weight*  Carbon footprint  On-board graphics card model*  Intel Arc Graphics  Intel Arc Graphics  Audio  Audio  MaxxAudio  MaxxAudio  MaxxAudio  MaxxAudio  MaxxAudio  Carbon emissions, manufacturing (kg of CO2e)  Number of built-in speakers  Speaker power  2 W  Carbon emissions, energy usage (kg of CO2e)  Number of microphones  V  Carbon emissions, end-of-life (kg of Lo2e)  Carbon emissions, end-of-life (kg of Lo2e)  Number of microphones  V  Carbon emissions, end-of-life (kg of Lo2e)  Carbon emissions, end-of-life (kg of Lo2e)  Number of microphones  V  Carbon emissions, end-of-life (kg of Lo2e)  Carbon emissions, end-of-life (kg of Lo2e)  Number of microphones	Card reader integrated		'	
Graphics     Non-operating vibration     1.3 G       Discrete GPU manufacturer     NVIDIA     Weight & dimensions       Discrete graphics card model *     NVIDIA GeForce RTX 4050     Width     320 mm       Discrete graphics card memory     6 GB     Depth     216 mm       Discrete graphics memory type     GDDR6     Height (front)     6.7 mm       On-board graphics card *     ✓     Height (rear)     1.8 cm       On-board GPU manufacturer     Intel     Weight *     1.68 kg       Discrete graphics card *     ✓     Carbon footprint       On-board graphics card family     Intel Arc Graphics     Total carbon footprint (kg of CO2e)     313       On-board graphics card model *     Intel Arc Graphics     Total carbon emissions, standard deviation (kg of CO2e)     58       Audio     Carbon emissions, manufacturing (kg of CO2e)     257.89       Number of built-in speakers     2     Carbon emissions, logistics (kg of CO2e)     15.464       Speakers manufacturer     Waves     CO2e)     Carbon emissions, energy usage (kg of CO2e)     37.547       Built-in microphone     ✓     Carbon emissions, end-of-life (kg of CO2e)     1.972	Compatible memory cards		·	
Discrete GPU manufacturer Discrete graphics card model * NVIDIA GeForce RTX 4050 Width 320 mm Discrete graphics card memory 6 GB Depth 216 mm Discrete graphics memory type GDDR6 Height (front) On-board graphics card * V Height (rear) 1.8 cm On-board GPU manufacturer Intel Weight * Carbon footprint On-board graphics card family On-board graphics card family On-board graphics card family On-board graphics card family On-board graphics card model * Intel Arc Graphics Intel Arc Graphics  Audio Audio Audio system Number of built-in speakers Speakers manufacturer Waves Speaker power Speaker power Speaker power Speaker power Speaker microphone Number of microphones Subject to the		MICIOSDAC	'	
Discrete graphics card model * NVIDIA GeForce RTX 4050 Width 320 mm Discrete graphics card memory 6 GB Depth 216 mm Discrete graphics memory type GDDR6 Height (front) 6.7 mm On-board graphics card * ✓ Height (rear) 1.8 cm On-board GPU manufacturer Intel Weight * 1.68 kg Discrete graphics card * ✓ Carbon footprint On-board graphics card family Intel Arc Graphics Intel Arc Graphics Intel Arc Graphics On-board graphics card model * Intel Arc Graphics Audio Audio System MaxxAudio (kg of CO2e) Number of built-in speakers 2 Speakers manufacturer Waves Carbon emissions, logistics (kg of CO2e) Speaker power 2 W Built-in microphone ✓ Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e) Number of microphones 2 Carbon emissions, energy usage (kg of CO2e)				1.3 G
Discrete graphics card memory G GB  Depth  Discrete graphics memory type  GDDR6  Height (front)  On-board graphics card *  On-board GPU manufacturer  Intel  On-board graphics card *  On-board graphics card *  On-board graphics card family  On-board graphics card family  On-board graphics card family  On-board graphics card family  On-board graphics card model *  Intel Arc Graphics  Intel Arc Graphics  Total carbon footprint (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Speaker smanufacturer  Waves  Carbon emissions, logistics (kg of CO2e)  Speaker power  Speaker power  Built-in microphone  V  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)			•	
Discrete graphics memory type On-board graphics card * On-board GPU manufacturer On-board graphics card * On-board graphics card family On-board graphics card family On-board graphics card model * Intel Arc Graphics On-board graphics card family On-board graphics family On-board graphics family On-board graphics family On-board g	•			
On-board graphics card *	,		•	
On-board GPU manufacturer Discrete graphics card * On-board graphics card family On-board graphics card family On-board graphics card model * Intel Arc Graphics On-board graphics card model * Intel Arc Graphics Intel Arc Graphics  Audio  Audio  Audio  Audio System  MaxxAudio  Number of built-in speakers Speakers manufacturer Speakers manufacturer Speaker power  Built-in microphone  V  Carbon emissions, manufacturing (kg of CO2e) Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)	- ' ' ' '		=	
Discrete graphics card *  On-board graphics card family On-board graphics card model *  Intel Arc Graphics Intel Arc Graphics Intel Arc Graphics Intel Arc Graphics  Total carbon footprint (kg of CO2e) Total carbon emissions, standard deviation (kg of CO2e)  Audio  Audio  Audio  MaxxAudio  Number of built-in speakers  Speakers manufacturer  Waves  Speaker power  2 W  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Total	• •		•	
On-board graphics card family On-board graphics card model* Intel Arc Graphics Intel Arc Graphics Intel Arc Graphics Intel Arc Graphics Total carbon footprint (kg of CO2e) Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, manufacturing (kg of CO2e)  Number of built-in speakers Speakers manufacturer Waves Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  Total carbon emissions, manufacturing (kg of CO2e)  Total carbon emissions, standard deviation (kg of CO2e)  Total carbon emissions, standard deviatio			Weight *	1.68 kg
On-board graphics card model * Intel Arc Graphics  Audio  Audio Superior	<b>.</b>		Carbon footprint	
On-board graphics card model * Intel Arc Graphics  Audio  Audio System MaxxAudio Carbon emissions, standard deviation (kg of CO2e)  Number of built-in speakers 2 Carbon emissions, logistics (kg of Speakers manufacturer Waves CO2e)  Speaker power 2 W Carbon emissions, logistics (kg of CO2e)  Speaker power 2 W Carbon emissions, energy usage (kg 37.547)  Built-in microphone ✓ Carbon emissions, end-of-life (kg of CO2e)  Number of microphones 2 Carbon emissions, end-of-life (kg of 1.972)		•	Total carbon footprint (kg of CO2e)	313
Audio system  Number of built-in speakers  Speakers manufacturer  Speaker power  Built-in microphone  V  Carbon emissions, manufacturing (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  15.464  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)	<b>.</b>	Intel Arc Graphics		58
Number of built-in speakers  Speakers manufacturer  Speaker power  Speaker power  Built-in microphone  V  Carbon emissions, logistics (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  15.464  Coze)  Speaker power  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, end-of-life (kg of CO2e)		MayyAudia	=	257.90
Speakers manufacturer Waves CO2e)  Speaker power 2 W Carbon emissions, logistics (kg of CO2e)  15.464  CO2e)  Speaker power Built-in microphone ✓ Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, energy usage (kg of CO2e)  Carbon emissions, logistics (kg of CO2e)  15.464				237.09
Speaker power 2 W Carbon emissions, energy usage (kg 37.547 of CO2e)  Built-in microphone ✓ Carbon emissions, end-of-life (kg of 1.972	,			15.464
Built-in microphone of CO2e)  Number of microphones 2 Carbon emissions, end-of-life (kg of 1 972)	•		•	
Number of microphones 2 Carbon emissions, end-of-life (kg of 1 972				37.547
	•			1 072
	Maniper of fillerophones	-		1.312

Carbon footprint	
Total carbon emissions, w/o use phase (kg of CO2e)	275.453
PAIA version	1.4.0, 2024
Packaging content	
AC adapter included *	✓
Cables included	AC
Other features	
Graphics card	30W



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## **Catalog Object Cloud**



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