



# DELL XPS 9640 Intel Core Ultra 9 185H Laptop 41.4 cm (16.3") Touchscreen UHD+ 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 7 (802.11be) Windows 11 Pro Platinum

Brand : DELL

Product family: XPS

Product code: F6W5Y

Product name : 9640



DELL XPS 9640. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 41.4 cm (16.3"), HD type: UHD+, Display resolution: 3840 x 2400 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Platinum

| Design                                       |                               | Audio                                 |   |
|--|-------------------------------|---------------------------------------|---|
| Product type *                               | Laptop                        | Audio system                          | MaxxAudio Pro   |
| Product colour *                             | Platinum                      | Number of built-in speakers           | 2   |
| Form factor *                                | Clamshell                     | Speakers manufacturer                 | Waves   |
| Housing material                             | Aluminium                     | Built-in microphone                   | ✓   |
| Display                                      |                               | Number of microphones                 | 2   |
| Display diagonal *                           | 41.4 cm (16.3")               | Camera                                |   |
| Display resolution *                         | 3840 x 2400 pixels            | Front camera                          | ✓   |
| Touchscreen *                                | ✓                             | Front camera resolution (numeric)     | 2.07 MP   |
| HD type                                      | UHD+                          | Front camera resolution               | 1920 x 1080 pixels  |
| Panel type                                   | OLED                          | Front camera HD type                  | Full HD   |
| LED backlight                                | ✓                             | Video capturing speed                 | 30 fps  |
| Display brightness                           | 400 cd/m <sup>2</sup>         | Infrared (IR) camera                  | ✓   |
| Pixel density                                | 278.1 ppi                     | Network                               |   |
| RGB colour space                             | DCI-P3                        | Top Wi-Fi standard *                  | Wi-Fi 7 (802.11be)  |
| Colour gamut                                 | 100%                          | Wi-Fi standards                       | 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be) |
| Maximum refresh rate                         | 90 Hz                         | Mobile network connection *           | ✗   |
| Contrast ratio (typical)                     | 1000000:1                     | Antenna type                          | 2x2   |
| Processor                                    |                               | WLAN controller model                 | Intel Wi-Fi 7 BE200   |
| Processor manufacturer *                     | Intel                         | WLAN controller manufacturer          | Intel   |
| Processor family *                           | Intel Core Ultra 9            | Bluetooth                             | ✓   |
| Processor generation                         | Intel® Core™ Ultra (Series 1) | Ports & interfaces                    |   |
| Processor model *                            | 185H                          | Thunderbolt 4 ports quantity          | 3   |
| Processor cores                              | 16                            | Intel® Thunderbolt 4                  | ✓   |
| Processor threads                            | 22                            | Combo headphone/mic port              | ✓   |
| Processor boost frequency                    | 5.1 GHz                       | Charging port type                    | USB Type-C  |
| Performance cores                            | 6                             | USB Type-C DisplayPort Alternate Mode | ✓   |
| Efficient cores                              | 8                             | Performance                           |   |
| Low Power Efficient-cores                    | 2                             | Ambient light sensor                  | ✓   |
| Performance-core Max Turbo Frequency         | 5.1 GHz                       | Keyboard                              |   |
| Efficient-core Max Turbo Frequency           | 3.8 GHz                       | Pointing device                       | Touchpad  |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                       |                                       |   |
| Performance-core base frequency              | 2.3 GHz                       |                                       |   |
| Efficient-core base frequency                | 1.8 GHz                       |                                       |   |

|   |  |                                       |   |
|---|--|---------------------------------------|---|
| <b>Processor</b>                        |  | <b>Keyboard</b>                       |   |
| Low Power Efficient-core Base Frequency | 1000 MHz                                   | Keyboard language                     | Nordic  |
| Processor cache                         | 24 MB                                      | Numeric keypad *                      | ✗   |
| Processor cache type                    | Smart Cache                                | Keyboard backlit                      | ✓   |
| Processor base power                    | 45 W                                       | <b>Software</b>                       |   |
| Maximum turbo power                     | 115 W                                      | Operating system architecture         | 64-bit  |
| <b>Neural processor unit (NPU)</b>      |  | Operating system language             | Danish, English, Finnish, Norwegian, Swedish  |
| Neural processor unit (NPU)             | Intel AI Boost                             | Trial software                        | McAfee Business Protection 1-year, No Microsoft Office License Included - 30 day Trial Offer Only |
| Maximum frequency NPU                   | 1.4 GHz                                    | Operating system installed *          | Windows 11 Pro  |
| Sparsity support                        | ✓  | <b>Battery</b>                        |   |
| Windows Studio effects support          | ✓  | Battery technology                    | Lithium Polymer (LiPo)  |
| AI datatype support on NPU              | FP16, FP32, Int8                           | Number of battery cells               | 6   |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML    | Battery capacity *                    | 99.5 Wh   |
| <b>Memory</b>                           |  | Battery voltage                       | 11.7 V  |
| Internal memory *                       | 32 GB                                      | Battery recharge time                 | 4 h   |
| Internal memory type                    | LPDDR5x-SDRAM                              | Fast charging                         | ✓   |
| Memory form factor                      | On-board                                   | Battery weight                        | 380 g   |
| Maximum internal memory *               | 32 GB                                      | <b>Power</b>                          |   |
| Memory data transfer rate               | 6400 MT/s                                  | AC adapter power                      | 130 W   |
| <b>Storage</b>                          |  | AC adapter frequency                  | 50 - 60 Hz  |
| Total storage capacity *                | 1 TB                                       | AC adapter input voltage              | 100 - 240 V   |
| Storage media *                         | SSD  | USB Power Delivery (USB PD) *         | ✓   |
| Total SSDs capacity                     | 1 TB                                       | USB charging voltage                  | 5,9,15,20 V   |
| Number of SSDs installed                | 1  | USB charging current                  | 6.5 A   |
| SSD capacity                            | 1 TB                                       | <b>Security</b>                       |   |
| SSD interface                           | PCI Express 4.0                            | Fingerprint reader                    | ✓   |
| NVMe                                    | ✓  | Windows Hello                         | ✓   |
| SSD form factor                         | M.2  | Trusted Platform Module (TPM)         | ✓   |
| Optical drive type *                    | ✗  | Trusted Platform Module (TPM) version | 2.0   |
| Card reader integrated                  | ✓  | <b>Operational conditions</b>         |   |
| Compatible memory cards                 | MicroSD (TransFlash), MicroSDHC, MicroSDXC | Operating temperature (T-T)           | 0 - 35 °C   |
| <b>Graphics</b>                         |  | Storage temperature (T-T)             | -40 - 65 °C   |
| Discrete graphics card model *          | NVIDIA GeForce RTX 4060                    | Operating relative humidity (H-H)     | 10 - 90%  |
| Discrete graphics card memory           | 8 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 Arc Graphics                         | Operating vibration                   | 0.66 G  |
| On-board graphics card model *          | Intel Arc Graphics                         | Non-operating vibration               | 1.3 G   |
|   |  | <b>Weight &amp; dimensions</b>        |   |
|   |  | Width                                 | 358.2 mm  |
|   |  | Depth                                 | 240.1 mm  |
|   |  | Height                                | 18.7 mm   |
|   |  | Weight *                              | 2.18 kg   |
|   |  | <b>Packaging content</b>              |   |
|   |  | Cables included                       | AC  |



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