

DELL Precision 7680 Intel® Core™ i7 i7-13850HX Mobile workstation 40.6 cm (16") 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: VPXP2

Product name: 7680

DELL Precision 7680. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13850HX. Display diagonal: 40.6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA RTX 2000 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey







Network Design Ethernet LAN data rates Product type * Mobile workstation 10,100,1000 Mbit/s Product colour * Grey Bluetooth Form factor Clamshell Ports & interfaces **Business** Market positioning USB 3.2 Gen 1 (3.1 Gen 1) Type-A 2 Introduction year 2023 ports quantity Intel[®] vPro[™] Platform Eligibility 1 USB 3.2 Gen 2 (3.1 Gen 2) Type-C 1 ports quantity Display Ethernet LAN (RJ-45) ports 1 Display diagonal * 40.6 cm (16") HDMI ports quantity * 1 Display resolution * 1920 x 1200 pixels Thunderbolt 4 ports quantity 2 Touchscreen * × Intel® Thunderbolt 4 1 Full HD+ HD type Combo headphone/mic port 1 Panel type WLED Charging port type DC-in jack LED backlight 1 Power adapter barrel connector 7.4 mm 16:10 Native aspect ratio Performance Anti-glare screen 1 500 cd/m² **Display brightness** Ambient light sensor 1 Pixel density 142 ppi Accelerometer 1 DCI-P3 Hall sensor RGB colour space 1 Colour gamut 100% Keyboard 60 Hz Maximum refresh rate Touchpad Pointing device Contrast ratio (typical) 1300:1 Keyboard language Belgian Processor Numeric keypad * ∢ Processor manufacturer * Intel Keyboard backlit 1 Processor family * Intel® Core[™] i7 Keyboard number of keys 100 13th gen Intel® Core[™] i7 Processor generation Software Processor model * i7-13850HX Operating system architecture 64-bit Processor cores 20 Operating system language Multilingual Processor threads 28 No Microsoft Office License Included Trial software 5.3 GHz Processor boost frequency 30 day Trial Offer Only Performance cores 8 Operating system installed * Windows 11 Pro Efficient cores 12 **Processor special features** Performance-core Max Turbo 5.3 GHz Frequency Intel Flex Memory Access 1 Efficient-core Max Turbo Frequency 3.8 GHz Intel VT-x with Extended Page 1 Tables (EPT) Processor cache 30 MB CPU configuration (max) 1 Smart Cache Processor cache type

Publication date: 31-MAY-2024. Prints or copies of Information are only valid on the printed Publication date

Bus typeDMI4Embedded options availableXConfigurable TDP-down45 WIntel Virtualization Technology for Directed I/O (VT-d)Intel Virtualization Technology (VT-d)Maximum turbo power157 WIntel Virtualization Technology (VT-d)Intel Virtualization Technology (VT-d)Memory32 GBBattery technologyLithium-Ion (Li-lon)Internal memory typeDDR5-SDRAMBattery technologyLithium-Ion (Li-lon)Memory form factorCAMM moduleBattery capacity *83 WhMemory layout (slots x size)1 x 32 GBBattery voltage11.55 VMemory layout (slots x size)1 x 32 GBBattery voltage3 hMemory channelsDual-channelFast charging✓Non-ECC✓Power100 - 240 VTotal storage capacity *1 TBAC adapter nequery50 - 60 HzStorage media *SSDSSDAC adapter nequery9.23 AStorage media *SSDAC adapter output voltage100 - 240 VSSD capacity1 TBAC adapter output voltage19.5 VSSD instraled1AC adapter output voltage19.5 VSSD instraled1Cable lock slot✓SSD infactorM.2Cable lock slot✓SSD form factorM.2Cable lock slot✓SSD infactorM.2Cable lock slot✓SSD infactorM.2Cable lock slot✓SSD form factorM.2Cable lock slot✓SSD form factorM.2 </th <th>_</th> <th></th> <th></th> <th></th>	_			
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