

## DELL Precision 7780 Intel® Core™ i7 i7-13850HX Mobile workstation 43.9 cm (17.3") Full HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 3500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : DELL

Product family: Precision

Product code: 04K7F

Product name : 7780

DELL Precision 7780. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13850HX. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA RTX 3500 Ada. Operating system installed: Windows 11 Pro. Product colour: Grey

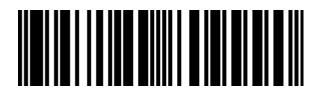




Design		Ports & interfaces	
Product type * Product colour *	Mobile workstation Grey	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Form factor *	Clamshell	Ethernet LAN (RJ-45) ports	1
Market positioning	Business	HDMI ports quantity *	1
Intel® vPro™ Platform Eligibility	1	Thunderbolt 4 ports quantity	2
Display		Intel® Thunderbolt 4	1
Display diagonal *	43.9 cm (17.3")	Combo headphone/mic port	
Display resolution *	1920 x 1080 pixels	Power adapter barrel connector	7.4 mm
Touchscreen *	×	USB Type-C DisplayPort Alternate Mode	1
HD type	Full HD	PowerShare	1
Panel type	WVA	Number of USB ports with	1
LED backlight	1	PowerShare support	1
Native aspect ratio	16:9	Performance	
Anti-glare screen	4	Ambient light sensor	1
Display brightness	500 cd/m <sup>2</sup>	Accelerometer	1
Pixel density	127 ppi	Hall sensor	1
RGB colour space Colour gamut	DCI-P3 99%	Keyboard	
Maximum refresh rate	60 Hz	Pointing device	Touchpad
			Nordic
Contrast ratio (typical)	1000:1	Keyboard landuade	NUTUIC
Contrast ratio (typical) Processor	1000:1	Keyboard language Numeric keypad *	
Processor		, ,	
Processor Processor manufacturer *	Intel Intel® Core™ i7	Numeric keypad *	1
Processor	Intel	Numeric keypad * Keyboard backlit	
Processor Processor manufacturer * Processor family *	Intel Intel® Core™ i7	Numeric keypad * Keyboard backlit Keyboard number of keys Software	
Processor Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo	Intel Intel® Core™ i7 13th gen Intel® Core™ i7	Numeric keypad * Keyboard backlit Keyboard number of keys	· · 100
Processor Processor manufacturer * Processor family * Processor generation Processor model *	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture	<ul> <li>I00</li> <li>64-bit</li> <li>Multilingual</li> <li>No Microsoft Office License Included</li> </ul>
Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture Operating system language	<ul> <li>Interview of the second seco</li></ul>
Processor Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Processor cache Processor cache type	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz 3.8 GHz 30 MB Smart Cache	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture Operating system language Trial software Operating system installed *	<ul> <li>Intervention</li> <li>Inter</li></ul>
Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Processor cache Processor cache type Bus type	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz 3.8 GHz 30 MB Smart Cache DMI4	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture Operating system language Trial software Operating system installed *	<ul> <li>Ioo</li> <li>64-bit</li> <li>Multilingual</li> <li>No Microsoft Office License Included 30 day Trial Offer Only</li> <li>Windows 11 Pro</li> </ul>
Processor Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Processor cache Processor cache type	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz 3.8 GHz 30 MB Smart Cache	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture Operating system language Trial software Operating system installed * <b>Processor special features</b> CPU configuration (max)	<ul> <li>Intervention</li> <li>Inter</li></ul>
Processor Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Processor cache Processor cache type Bus type	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz 3.8 GHz 30 MB Smart Cache DMI4	Numeric keypad * Keyboard backlit Keyboard number of keys Software Operating system architecture Operating system language Trial software Operating system installed * Processor special features CPU configuration (max) Battery	<ul> <li>Ioo</li> <li>64-bit</li> <li>Multilingual</li> <li>No Microsoft Office License Included 30 day Trial Offer Only</li> <li>Windows 11 Pro</li> <li>1</li> </ul>
Processor Processor manufacturer * Processor family * Processor generation Processor model * Performance-core Max Turbo Frequency Efficient-core Max Turbo Frequency Processor cache Processor cache type Bus type Configurable TDP-down	Intel Intel® Core™ i7 13th gen Intel® Core™ i7 i7-13850HX 5.3 GHz 3.8 GHz 30 MB Smart Cache DMI4	Numeric keypad * Keyboard backlit Keyboard number of keys <b>Software</b> Operating system architecture Operating system language Trial software Operating system installed * <b>Processor special features</b> CPU configuration (max)	<ul> <li>Ioo</li> <li>64-bit</li> <li>Multilingual</li> <li>No Microsoft Office License Included 30 day Trial Offer Only</li> <li>Windows 11 Pro</li> </ul>

Memory Jour Actor5600 MH2Battery capacity*91 WhMemory Jour Listox size)1.3 2 GBBattery victage ine3.hMaximu Internal memory128 GBFast charging~Non-ECCABattery victage ine3.hStorage Capacity*17BAustery scharging ine3.hStorage IndelSSDAdapter prove240 WStorage IndelSSDAdapter prove240 WTotal storage capacity*17BAdapter frequency5.0 - 60 traStorage Indel1Adapter frequency5.0 - 60 traStorage Indel1Adapter frequency5.0 - 60 traSSD instrated1Adapter forquency5.0 - 60 traSSD instrated1Adapter forquency5.0 - 60 traOblicat dire type*XCable lock isol tra-SSD instrated1Adapter forquency2.0 versionSSD instrated1Adapter forquency2.0 versionSSD instrated10 2 GBSanard card reader-SSD instrated10 2 GBSanard dractager-SSD instrated10 2 GBSanard dractager10 - 90%Discrete graphics card model10 2 GBSanard dractager10 - 90%Discrete				
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Total SSDs capacity1 TBAC adapter input values10. A capter input value current12.3 ASSD infractorM C capter input value currentCable lock slot </td <td>5 1 3</td> <td></td> <td></td> <td></td>	5 1 3			
Number of SDDs installed1AC adapter input voltage100 - 240 VSDD capacity1 TBAC adapter input voltage100 - 240 VSDD capacity1 TBAC adapter input voltage/SDD form factorPC ExpressDcLin jack/WMe-Security/Optical drive type*XCable lock slot typeWedgeCarl reader integratedSD, SDHC, SDXCSmart carl reader/Compatible memory cardsSD, SDHC, SDXCSmart carl reader/Discrete graphics card memory12 GBPerstorm Module (TPH)/Discrete graphics card memory12 GBPerstorm Module (TPH)/Ohobard graphics card memory12 GBPerstorm Module (TPH)/Ohobard graphics card memory12 GBPerstorm Module (TPH)0 - 35 °COn-board GP unaltecture10 Compatible memory cards10 Compatible memory cards0 Compatible memory cardsDiscrete graphics card memory12 GBPerstorm Card reader/On-board GP unaltecture11 Compatible0 - 35 °C/Discrete graphics card memory12 GBStorage temperature (T-1)0 - 35 °COn-board GP unaltecture10 Compatible10 Compatible10 CompatibleDiscrete graphics card memory10 Compatible10 Compatible10 CompatibleDiscrete graphics card memory10 Compatible10 Compatible10 CompatibleDiscrete graphics card memory10 Compatible10 Compatible10 CompatibleDiscrete g				
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SDD interfacePCI ExpressDC in jack to support to suppo				
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SAD form factor     M.2       Card reader integrated     ×     Cable lock slot type     Wedge       Card reader integrated     ×     Cable lock slot type     Wedge       Compabile memory cards     SD, SDNC     Smart card reader     *       Compabile memory cards     NVIDIA RTX 3500 Ada     Trusted Platform Module (TPM)     *       Discrete graphics card memory     12 G8     Password protection     *       Discrete graphics card memory     12 G8     Password protection     *       On-board GPU manufacturer     Intel     Operating temperature (T-T)     *     *       On-board graphics card *     ×     Operating relative humidity (H-H)     10 - 95%       Audio     intel® UHD Graphics     Storage relative humidity (H-H)     10 - 95%       Audio chip     Ratek ALC3281     Non-operating altitude     15.2 - 3004 m       Number of built-in speakers     2     Operating altitude     15.2 - 3004 m       Number of microphone     ×     Operating altitude     13.6 C       Speaker power     2 W     Non-operating altitude     13.6 C       Speaker power     2 W     Operating relative humidity (H-H)     13.6 C       Speaker power     2 W     Non-operating altitude     13.6 C       Front camera resolution     152.0 Storage relative humidity (H-H	NVMe			•
Variation of the series of t	SSD form factor	M.2	Security	
Card readerSmart card readerSmart card readerCampabilesSD, SDHC, SDXCSmart card readerSmart card readerTrusted Platform Module (TPM)Z.0Discrete graphics card model *NVDIA RTX 3500 AdaversionDiscrete graphics card model *SD SDHC, SDXCPassword protectionZ.0Discrete graphics card model *COBB6On-baard GPU manufacturerIntelOperating temperature (T-T)0 - 35 °COn-baard graphics card *-Operating temperature (T-T)0 - 55 °COn-baard graphics card *-Operating temperature (T-T)0 - 65 °COn-baard graphics card *-Operating relative humidity (H+H)0 - 95%On-baard graphics card *-Operating relative humidity (H+H)0 - 95%On-baard graphics card *Non-operating shock110 6Number of built-in speakers2Operating shock110 6Speaker power2VWNon-operating vibration1.3 GNumber of microphone-Non operating vibration1.3 GNumber of microphone-Meight f(ront)2.6 cmFront camera resolution1.92 V 1800 pixelsHeight (ront)2.6 cmFront camera resolution1.92 NPHeight (ront)2.6 cmFront camera resolution1.92 NPHeight (ront)2.6 cmFront camera resolution1.92 NPNon operating vibration1.04Mirard (H) cameraNo.01000 NDixNon operating vibration1.04Mirard (H	Optical drive type *	×	Cable lock slot	✓
Compatible memory cards         SD,	Card reader integrated		Cable lock slot type	Wedge
Graphics     Tursted Platform Module (TPM)     V       Discrete graphics card memory     12 GB     Password protection     2.0       Discrete graphics card memory tog     GDDR 6     Password protection     V       On-baard graphics card *     V     Operating temperature (T-T)     0 - 35 °C       Discrete graphics card *     V     Operating temperature (T-T)     0 - 55 °C       Discrete graphics card *     V     Operating temperature (T-T)     0 - 65 °C       Discrete graphics card *     V     Operating relative humidity (H+H)     0 - 95%       On-baard graphics card *     V     Operating shotk     10 - 05%       On-baard graphics card *     Non-operating shotk     100 - 05%       Audio chip     Realtek ALC3281     Non-operating shock     160 G       Number of built-in speakers     2     Non-operating shock     100 G       Speaker power     2     W     Non-operating shock     106 G       Speaker power     2     Non-operating vibration     1.3 G       Front camera resolution (numeric)     9.2 NP     Popth     265 rm       Front camera resolution (numeric)     9.2 NP     Popth     265 rm       Front camera resolution (numeric)     9.2 NP     Popth     265 rm       Front camera resolution (numeric)     9.2 NP     Popth </td <td></td> <td></td> <td>Smart card reader</td> <td>✓</td>			Smart card reader	✓
Discrete graphics card model * NVIDIA RTX 3500 Ada version * 2.0 Discrete graphics card memory 12 GB Password protection * C Discrete graphics card * / Operational conditions * C On-board GPU manufacturer Intel * C On-board GPU manufacturer * Intel * UHD Graphics * C Operating temperature (T-T) * 0 * 35 * C Storage temperature (T-T) * 0 * 65 * C Operating relative humidity (H-H) 10 * 95% Audio chip * Realtek ALC3281 Non-operating altitude * 15.2 * 10668 m Number of built-in speakers 2 * Operating altitude * 15.2 * 10668 m Number of built-in speakers 2 * Non-operating altitude * 15.2 * 10668 m Number of built-in speakers 2 * Non-operating shock * 110 G Speaker power 2 * V Non-operating vibration * 0.66 G Number of microphones 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 2 * Non-operating vibration * 0.66 G Number of microphones * 0.02 * Non-operating vibration * 0.66 G Number of Number of Numer * 0 * 0.02 * Non-operating v			Trusted Platform Module (TPM)	✓
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biscrete graphics nemory type On-board graphics card * / On-board graphics card * On-board fill with * On-operating vibration * On operating vibration * On operating vibration * On-operating vibra	5 1			
On-board graphics card*         ·         Operating temperature (T-T)         0-35 °C           On-board GPU manufacturer         Intel         Storage temperature (T-T)         -40 - 65 °C           Discrete graphics card model*         Intel® UHD Graphics         Storage relative humidity (H-H)         10 - 90%           On-board graphics card model*         Intel® UHD Graphics         Storage relative humidity (H-H)         10 - 90%           Audio         Operating altitude         -15.2 - 3048 m         Storage relative humidity (H-H)         10 - 60 * 60 * 60 * 60 * 60 * 60 * 60 * 6			Password protection	<i>,</i>
On-board GPU manufacturer     Intel     Operating temperature (T-T)     0-35 °C       Discrete graphics card     -     Operating relative humidity (H+H)     10-90%       On-board graphics card model     Intel® UHD Graphics     Operating relative humidity (H+H)     0-95%       Audio     molel® UHD Graphics     Operating relative humidity (H+H)     0-95%       Audio chip     Realtek ALC3281     Operating altitude     -5.2 - 3048 m       Number of built-in speakers     2     Operating vibration     10 G       Speaker power     2     W     Non-operating vibration     0.66 G       Number of microphones     2     Operating vibration     0.66 G       Number of microphones     2     W     Non-operating vibration     0.66 G       Speaker power     2     W     Non-operating vibration     0.66 G       Number of microphones     2     W     Mon-operating vibration     0.66 G       Speaker power     2     W     Mon-operating vibration     0.66 G       Front camera resolution (numeri)     0.92 MP     Meight & dimensions     98 mm       Front camera resolution (numeri)     0.92 MP     Height (front)     2.6 cm       Front camera resolution (numeri)     0.92 NP     Total carbon forsprint (kg of CO2e)     100       Total Carbon forsprint (kg of CO			Operational conditions	
Discrete graphics card ** <ul> <li>Storage temperature (*)</li> <li>Operating relative humidity (H-H)</li> <li>0 - 90%</li> <li>Storage relative humidity (H-H)</li> <li>0 - 90%</li> </ul> <li>Storage relative humidity (H-H)</li> <li>0 - 90%</li> <li>Storage relative humidity (H-H)</li> <li>0 - 90%&lt;</li>		Intel	Operating temperature (T-T)	0 - 35 °C
On-basin graphics card model*         Intel® UHD Graphics         Operating relative humidity (H-H)         10 - 90%           Audio         Storage relative humidity (H-H)         0 - 95%           Audio chip         Realtek ALC3281         Operating altitude         -15.2 - 3048 m           Number of built-in speakers         2         Operating shock         100 G           Speaker power         2 W         Non-operating shock         100 G           Sulit-in nicrophone         -         Operating vibration         0.66 G           Number of microphones         2         Non-operating vibration         0.66 G           Number of microphones         2         Non-operating vibration         0.66 G           Number of microphones         2         Non-operating vibration         0.66 G           Storage resolution (numeric)         0.92 MP         Width         30 98 mm           Front camera resolution (numeric)         0.92 MP         Height (front)         2.6 cm           Front camera HD type         full HD         Variator forbprint         3.02 kg           Vife G (R) camera         v         Total carbon forbprint (kg of CO2e)         104           Top Wi-Fi standard*         Wi-Fi 6E (802.11a, Wi-Fi 6 (802.11a, Wi-				
AudioStudige relative funding (Fr.H)0 - 95% 0 - 95%Audio chipRealtek ALC3281Operating altitude-15.2 - 3048 mNumber of built-in speakers2Operating shock110 GSpeaker power2 WNon-operating shock160 GSulti-tin microphone-Operating vibration0.66 GNumber of microphones2Non-operating vibration0.66 GNumber of microphones2Weight & dimensions30 GCamera-Weight & dimensions26 cmFront camera resolution (numeric)0.92 MPHeight (front)2.6 cmFront camera resolution (numeric)0.92 MPHeight (front)2.6 cmFront camera HD typeFull HDVeight *3.02 kgVideo capturing speed30 fpsTotal carbon footprint (kg of CO2e)510Total carbon emissions, songers, so		Intel® UHD Graphics		
Audio chipRealtek ALC3281Non-operating altitude15.2 · 10668 mNumber of built-in speakers2Operating shock110 GSpeaker power2 WNon-operating shock160 GBuilt-in microphone2 WOperating vibration0.66 GNumber of microphones2Non-operating vibration0.66 GNumber of microphones2Non-operating vibration0.66 GCamera-Width398 mmFront camera-Vidth398 mmFront camera resolution (numeric)0.92 MPDepth2.67 cmFront camera resolution1920 x 1080 pixelsHeight (front)2.67 cmFront camera resolution1920 x 1080 pixelsHeight (froat)3.02 kgInfrared (IR) camera-Carbon footprint-Network-Total carbon footprint (kg of CO2e)510Network-Carbon emissions, standard104Wi-Fi is tandard *Wi-Fi 6E (802.11ax)Carbon emissions, standard104Wi-Fi dat rate (max)2400 Mbit/sCarbon emissions, nanufacturing (kg of CO2e)104Wi-Fi dat rate (max)2400 Mbit/sCarbon emissions, nanufacturing (kg of CO2e)104Wi-Notroller modelIntel Wi-Fi 6E AX211Carbon emissions, energy usage (kg of CO2e)104Wi-Notroller manufacturerIntel Wi-Fi 6E AX211Carbon emissions, woluse phase (kg of CO2e)26Wi-Notroller manufacturerIntel Wi-Fi 6E AX211Carbon emissions, woluse phase (kg of CO2e)26 <tr< td=""><td></td><td></td><td><b>,</b></td><td></td></tr<>			<b>,</b>	
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USP 2 2 Gon 1 /2 1 Gon 1) Type A	Ports & interfaces			AC
	USB 3.2 Gen 1 (3.1 Gen 1) Type-A	2		-

USB 3.2 Gen 1 (3.1 Gen 1) Type-A 2 ports quantity \*



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