



DELL Precision 7670 Intel® Core™ i7 i7-12850HX Mobile workstation 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A1000 Wi-Fi 6E (802.11ax) Windows 10 Pro Grey

Brand : DELL

Product family: Precision

Product code: 8862H

Product name : 7670

- Windows 10 Pro 64-bit
- Intel Core i7-12850HX (25MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200 WVA, NVIDIA RTX A1000 (4GB GDDR6)
- 16GB (4800 MHz) DDR5-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-12850HX (25MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200 WVA, Intel UHD Graphics, NVIDIA RTX A1000 (4GB GDDR6), LAN, WLAN, Webcam, Windows 10 Pro 64-bit

DELL Precision 7670 Intel® Core™ i7 i7-12850HX Mobile workstation 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A1000 Wi-Fi 6E (802.11ax) Windows 10 Pro Grey:

Dell's most powerful 16" workstation

16" mobile workstation with two chassis options designed around your performance requirements.



Design		Network	
Colour name	Aluminum Titan Grey	Wi-Fi data rate (max)	2400 Mbit/s
Product type *	Mobile workstation	Antenna type	2x2
Product colour *	Grey	WLAN controller model	Intel Wi-Fi 6E AX211
Form factor *	Clamshell	WLAN controller manufacturer	Intel
Market positioning	Business	Ethernet LAN	✓
Introduction year	2022	Bluetooth	✓
Intel® vPro™ Platform Eligibility	✓	Bluetooth version	5.2
Display		Ports & interfaces	
Display diagonal *	40.6 cm (16")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	1920 x 1200 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	Full HD+	HDMI ports quantity *	1
Panel type	WVA	HDMI version	2.0a
LED backlight	✓	Thunderbolt 4 ports quantity	2
Native aspect ratio	16:10	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Pixel pitch	0.18 x 0.18 mm	Power adapter barrel connector	7.4 mm
Pixel density	142 ppi	USB Type-C DisplayPort Alternate Mode	✓
Display response rise/fall	35 ms	PowerShare	✓
Maximum refresh rate	60 Hz	Number of USB ports with PowerShare support	1
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor generation	12th gen Intel® Core™ i7	Keyboard backlit	✓
Processor model *	i7-12850HX		
Processor cores	16		
Processor boost frequency	4.8 GHz		

Processor		Software	
Processor cache	25 MB	Operating system architecture	64-bit
Bus type	DMI4	Windows 11 free upgrade	✓
Configurable TDP-down	45 W	Operating system installed *	Windows 10 Pro
Memory		Processor special features	
Internal memory *	16 GB	Intel Flex Memory Access	✓
Internal memory type	DDR5-SDRAM	Intel Trusted Execution Technology	✓
Memory clock speed	4800 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	CAMM module	Intel Stable Image Platform Program (SIPP)	✓
Memory layout (slots x size)	1 x 16 GB	Execute Disable Bit	✓
Maximum internal memory *	128 GB	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	512 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	512 GB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	512 GB	Number of battery cells	6
SSD interface	PCI Express	Battery voltage	11.55 V
NVMe	✓	Battery recharge time	3 h
SSD form factor	M.2	Fast charging	✓
Optical drive type *	✗	Power	
Card reader integrated	✓	AC adapter power	180 W
Compatible memory cards	SD	AC adapter frequency	50 - 60 Hz
Graphics		AC adapter input voltage	100 - 240 V
Discrete GPU manufacturer	NVIDIA	AC adapter output current	9.23 A
Discrete graphics card model *	NVIDIA RTX A1000	AC adapter output voltage	19.5 V
Discrete graphics card memory	4 GB	DC-in jack	✓
Discrete graphics memory type	GDDR6	Security	
On-board graphics card *	✓	Cable lock slot	✓
On-board GPU manufacturer	Intel	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel® UHD Graphics	Password protection	✓
Audio		Sustainability	
Number of built-in speakers	2	Sustainability certificates	ENERGY STAR, EPEAT Gold
Speaker power	2 W	Weight & dimensions	
Camera		Width	356 mm
Front camera	✓	Depth	258.3 mm
Front camera resolution (numeric)	0.92 MP	Height (front)	2.23 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	2.32 cm
Front camera HD type	Full HD	Weight *	2.6 kg
Video capturing speed	30 fps	Packaging content	
Infrared (IR) camera	✓	Cables included	AC
Privacy camera	✓		
Privacy type	Privacy shutter		
Network			
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		



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