



DELL Precision 7550 Intel® Core™ i7 i7-10875H Mobile workstation 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA Quadro T2000 Wi-Fi 6 (802.11ax) Windows 10 Pro Black, Silver

Brand : DELL

Product family: Precision

Product code: VDXHP

Product name : 7550

DELL Precision 7550. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10875H, Processor frequency: 2,3 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 10 Pro. Product colour: Black, Silver



Design		Ports & interfaces	
Product type *	Mobile workstation	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black, Silver	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Form factor *	Clamshell	Ethernet LAN (RJ-45) ports	1
Intel® vPro™ Platform Eligibility	✓	HDMI ports quantity *	1
Display		HDMI version	2.0
Display diagonal *	39,6 cm (15.6")	Mini DisplayPorts quantity	1
Display resolution *	1920 x 1080 pixels	Combo headphone/mic port	✓
Touchscreen *	✗	SmartCard slot	✓
HD type	Full HD	PowerShare	✓
Native aspect ratio	16:9	Number of USB ports with PowerShare support	1
Pixel pitch	0,18 x 0,18 mm	Keyboard	
Pixel density	141 ppi	Pointing device	Touchpad
Display response rise/fall	35 ms	Numeric keypad *	✓
Maximum refresh rate	60 Hz	Keyboard backlit	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i7	Operating system language	Multilingual
Processor generation	10th gen Intel® Core™ i7	Trial software	Microsoft Office
Processor model *	i7-10875H	Operating system installed *	Windows 10 Pro
Processor cores	8	Processor special features	
Processor threads	16	Intel® Evo™ Platform Verified	✗
Processor boost frequency	5,1 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2,3 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	8 GT/s		
Processor cache	16 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		

Processor		Processor special features	
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor codename	Comet Lake	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	45 W	Intel Flex Memory Access	✓
Configurable TDP-down	35 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Tjunction	100 °C	Intel Trusted Execution Technology	✓
Maximum number of PCI Express lanes	16	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel® Secure Key	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Stable Image Platform Program (SIPP)	✓
Memory		Intel® OS Guard	✓
Internal memory *	16 GB	Intel Software Guard Extensions (Intel SGX)	✓
Internal memory type	DDR4-SDRAM	Intel 64	✓
Memory clock speed	2933 MHz	Execute Disable Bit	✓
Memory form factor	SO-DIMM	Idle States	✓
Memory layout (slots x size)	2 x 8 GB	Thermal Monitoring Technologies	✓
Memory slots	4x SO-DIMM	Processor package size	42 x 28 mm
Maximum internal memory *	128 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage		CPU configuration (max)	1
Total storage capacity *	512 GB	Embedded options available	✗
Storage media *	SSD	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total SSDs capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
Number of SSDs installed	1	Processor ARK ID	202329
Solid-state drive capacity	512 GB	Battery	
Solid-state drive interface	PCI Express	Battery technology	Lithium-Ion (Li-Ion)
SSD form factor	M.2	Number of battery cells	6
Optical drive type *	✗	Battery voltage	11,4 V
Card reader integrated	✓	Power	
Compatible memory cards	SD, SDHC, SDXC	AC adapter power	180 W
Graphics		AC adapter frequency	50 - 60 Hz
Discrete graphics card model *	NVIDIA Quadro T2000	AC adapter input voltage	100 - 240 V
Discrete graphics card memory	4 GB	AC adapter output current	9,23 A
On-board graphics card *	✓	AC adapter output voltage	19.5 V
On-board GPU manufacturer	Intel	DC-in jack	✓
Discrete graphics card *	✓	Security	
On-board graphics card model *	Intel® UHD Graphics	Cable lock slot	✓
On-board graphics card base frequency	350 MHz	Smart card reader	✓
On-board graphics card dynamic frequency (max)	1200 MHz	Password protection	✓
On-board graphics card DirectX version	12.0	Operational conditions	
On-board graphics card OpenGL version	4.5	Operating temperature (T-T)	0 - 35 °C
On-board graphics card ID	0x9BC4	Storage temperature (T-T)	-40 - 65 °C
Audio		Operating relative humidity (H-H)	10 - 90%
Audio chip	Realtek ALC3281	Storage relative humidity (H-H)	0 - 95%
Number of built-in speakers	2	Operating altitude	-15,2 - 3048 m
Speaker power	2 W	Non-operating altitude	-15,2 - 10668 m
Built-in microphone	✓	Operating shock	110 G
Camera		Non-operating shock	160 G
Front camera	✓	Operating vibration	0,66 G
Front camera resolution (numeric)	0,92 MP	Non-operating vibration	1,3 G
Front camera resolution	1280 x 720 pixels	Weight & dimensions	
Front camera HD type	HD	Width	360 mm
Video capturing speed	30 fps	Depth	242 mm
Network		Height (front)	2,5 cm
Mobile network generation	4G		
4G standard	LTE		

Network		Weight & dimensions	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Height (rear)	2,74 cm
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Weight *	2,45 kg
Mobile network connection *	✓	Packaging data	
Antenna type	2x2	Package width	505 mm
WLAN controller model	Intel Wi-Fi 6 AX201	Package depth	89 mm
Ethernet LAN	✓	Package height	342 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Package weight	4,55 kg
Bluetooth	✓		
WWAN	Installed		



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