![DELL logo]

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

Product type *	Mobile workstation
Product colour *	Black, Silver
Form factor *	Clamshell
Intel® vPro™ Platform Eligibility	✔

Display

Display diagonal *	39,6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Native aspect ratio	16:9
Pixel pitch	0,18 x 0,18 mm
Pixel density	141 ppi
Display response rise/fall	35 ms
Maximum refresh rate	60 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10875H
Processor cores	8
Processor threads	16
Processor boost frequency	5,1 GHz
Processor frequency *	2,3 GHz
System bus rate	8 GT/s
Processor cache	16 MB
Processor cache type	Smart Cache
Processor socket	BGA 1440
Processor lithography	14 nm

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.0
Mini DisplayPorts quantity	1
Combo headphone/mic port	✔
SmartCard slot	✔
PowerShare	✔
Number of USB ports with PowerShare support	1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔

Software

Operating system architecture	64-bit
Operating system language	Multilingual
Trial software	Microsoft Office
Operating system installed *	Windows 10 Pro

Processor special features

Intel® Evo™ Platform Verified	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔

Processor

Processor operating modes	64-bit
Processor codename	Comet Lake
Thermal Design Power (TDP)	45 W
Configurable TDP-down	35 W
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	2933 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	4x SO-DIMM
Maximum internal memory *	128 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
Solid-state drive capacity	512 GB
Solid-state drive interface	PCI Express
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA Quadro T2000
Discrete graphics card memory	4 GB
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x9BC4

Audio

Audio chip	Realtek ALC3281
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	0,92 MP
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps

Network

Mobile network generation	4G
4G standard	LTE

Processor special features

Enhanced Intel SpeedStep Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	202329

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery voltage	11,4 V

Power

AC adapter power	180 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	9,23 A
AC adapter output voltage	19.5 V
DC-in jack	✔

Security

Cable lock slot	✔
Smart card reader	✔
Password protection	✔

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15,2 - 3048 m
Non-operating altitude	-15,2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0,66 G
Non-operating vibration	1,3 G

Weight & dimensions

Width	360 mm
Depth	242 mm
Height (front)	2,5 cm

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Mobile network connection *	✔
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
WWAN	Installed

Weight & dimensions

Height (rear)	2,74 cm
Weight *	2,45 kg

Packaging data

Package width	505 mm
Package depth	89 mm
Package height	342 mm
Package weight	4,55 kg

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