



DELL Precision 3551 Intel® Core™ i7 i7-10850H Mobile workstation 39.6 cm (15.6") Full HD 32 GB DDR4-SDRAM 512 GB SSD NVIDIA® Quadro® P620 Wi-Fi 6 (802.11ax) Windows 10 Pro Grey

Brand : DELL

Product family: Precision

Product code: XV52H

Product name : 3551

DELL Precision 3551. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10850H, Processor frequency: 2.7 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Pro. Product colour: Grey



Design		Ports & interfaces	
Product type *	Mobile workstation	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Grey	Ethernet LAN (RJ-45) ports	1
Form factor *	Clamshell	HDMI ports quantity *	1
Intel® vPro™ Platform Eligibility	✓	HDMI version	2.0b
Display		Combo headphone/mic port	✓
Display diagonal *	39.6 cm (15.6")	USB Type-C DisplayPort Alternate Mode	✓
Display resolution *	1920 x 1080 pixels	PowerShare	✓
Touchscreen *	✗	Number of USB ports with PowerShare support	1
HD type	Full HD	Performance	
Panel type	WVA	Motherboard chipset	Intel WM490
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	DualPoint
Maximum refresh rate	60 Hz	Numeric keypad *	✓
Processor		Keyboard backlit	✓
Processor manufacturer *	Intel	Full-size keyboard	✓
Processor family *	Intel® Core™ i7	Software	
Processor generation	10th gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-10850H	Operating system language	Multilingual
Processor cores	6	Trial software	Microsoft Office
Processor threads	12	Operating system installed *	Windows 10 Pro
Processor boost frequency	5.1 GHz	Processor special features	
Processor frequency *	2.7 GHz	Intel® Evo™ Platform Verified	✗
System bus rate	8 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	12 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		

Processor		Processor special features	
Processor codename	Comet Lake	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Thermal Design Power (TDP)	45 W	Enhanced Intel SpeedStep Technology	✓
Configurable TDP-down	35 W	Intel® Quick Sync Video Technology	✓
Tjunction	100 °C	Intel Flex Memory Access	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	32 GB	Intel Stable Image Platform Program (SIPP)	✓
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speed	2933 MHz	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	SO-DIMM	Intel 64	✓
Memory layout (slots x size)	2 x 16 GB	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Maximum internal memory *	64 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	42 x 28 mm
Total storage capacity *	512 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	512 GB	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	512 GB	Intel Virtualization Technology (VT-x)	✓
SSD interface	PCI Express	Processor ARK ID	201897
SSD form factor	M.2	Battery	
Optical drive type *	✗	Number of battery cells	4
Card reader integrated	✓	Battery capacity *	68 Wh
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC	Battery voltage	15.2 V
Graphics		Battery life (max)	4 h
Discrete graphics card model *	NVIDIA® Quadro® P620	Battery weight	340 g
Discrete graphics card memory	4 GB	Power	
Discrete graphics memory type	GDDR5	AC adapter power	130 W
On-board graphics card *	✓	AC adapter frequency	50/60 Hz
On-board GPU manufacturer	Intel	AC adapter input voltage	100 - 240 V
Discrete graphics card *	✓	AC adapter output current	6.5 A
On-board graphics card model *	Intel® UHD Graphics	AC adapter output voltage	20 V
On-board graphics card base frequency	350 MHz	USB Type-C charging port *	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Security	
On-board graphics card DirectX version	12.0	Cable lock slot	✓
On-board graphics card OpenGL version	4.5	Smart card reader	✓
On-board graphics card ID	0x9BC4	Trusted Platform Module (TPM)	✓
Audio		Password protection	✓
Audio chip	Realtek ALC3204	Operational conditions	
Audio system	MaxxAudio Pro	Operating temperature (T-T)	0 - 35 °C
Number of built-in speakers	2	Storage temperature (T-T)	-40 - 65 °C
Speakers manufacturer	Waves	Operating relative humidity (H-H)	10 - 80%
Speaker power	2 W	Storage relative humidity (H-H)	0 - 95%
Built-in microphone	✓	Operating altitude	0 - 3048 m
Camera		Non-operating altitude	0 - 10668 m
Front camera	✓	Operating shock	105 G
Front camera resolution	1280 x 720 pixels	Non-operating shock	40 G
Front camera HD type	HD	Operating vibration	0.26 G
Video capturing speed	30 fps		

Network		Operational conditions	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Non-operating vibration	1.37 G
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 & dimensions	
Mobile network connection *	✗	Width	359.1 mm
Antenna type	2x2	Depth	236.2 mm
WLAN controller model	Intel Wi-Fi 6 AX201	Height (front)	1.18 cm
Ethernet LAN	✓	Height (rear)	1.5 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	1.89 kg
Bluetooth	✓	Packaging content	
Ports & interfaces		Cables included	AC
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		



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Catalog Object Cloud



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