

DELL Precision 5520 Intel® Core™ i7 i7-7820HQ Mobile workstation 39.6 cm (15.6") Touch screen Full HD 16 GB DDR4-SDRAM 256 GB SSD NVIDIA® Quadro® M1200 Wi-Fi 5 (802.11ac) Windows 10 Pro German Black, Silver

Brand : DELL Product family: Precision Product code: 9TJDV

Product name: 5520

Intel Core i7-7820HQ (8M Cache, 2.9 GHz), 16GB DDR4 2400MHz, 256GB SSD, 15.6" FHD (1920x1080) IPS, Nvidia Quadro M1200 (4GB), WLAN 802.11ac, Bluetooth 4.2, Windows 10 Pro 64-bit DELL Precision 5520. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-7820HQ, Processor frequency: 2.9 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touch screen. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Operating system installed: Windows 10 Pro. Product colour: Black, Silver



Design Keyboard Product type * Mobile workstation Windows keys ✓ Product colour * Black, Silver Keyboard language German Form factor * Clamshell Keyboard language German Market positioning Business Software Operating system architecture 64-bit Operating system architecture 64-bit Display diagonal * 39.6 cm (15.6") Trial software Microsoft Office Display resolution * 1920 x 1080 pixels Operating system installed * Windows 10 Pro Touch screen * ✓ Processor special features HD type Full HD Intel Wireless Display (WiDi) ✓ Processor special features Intel My WiFi Technology ✓ LED backlight ✓ Intel My WiFi Technology ✓ Native aspect ratio 16:9 Intel My WiFi Technology ✓ Display surface Matt Intel Identity Protection Technology ✓				
Product colour * Black, Silver Keyboard language German Form factor * Clamshell Market positioning Business Display Display Display 39.6 cm (15.6") Display resolution * 1920 x 1080 pixels Trial software Operating system architecture Divers included Trial software Operating system of the current of	Design		Keyboard	
Form factor * Clamshell Market positioning Business Operating system architecture Operating system included Trial software Operating system installed * Microsoft Office Operating system installed * Windows 10 Pro Touch screen * HD type Full HD Intel Wireless Display (WiDi) Technology LED backlight Native aspect ratio Display surface Matt Processor Intel My WiFi Technology Intel ® Smart Response Technology Intel Identity Protection Technology Intel Identity Protection Technology Intel Identity Protection Technology	71		Windows keys	✓
Market positioning Business Operating system architecture Frial software Operating system installed Operating system installed Operating system installed Vindows 10 Pro Processor special features Intel Wireless Display (WiDi) Technology Intel My WiFi Technology Intel My WiFi Technology Intel Smart Response Technology ✓ Intel Identity Protection Technology		•	Keyboard language	German
Display Display diagonal * 39.6 cm (15.6") Display resolution * 1920 x 1080 pixels Trial software Operating system architecture Operating system architecture Microsoft Office Operating system installed * Windows 10 Pro Touch screen * ✓ Processor special features HD type Panel type IPS LED backlight V Intel Wireless Display (WiDi) Technology Native aspect ratio Display surface Matt Processor Intel ® Smart Response Technology Intel Identity Protection Technology ✓ Intel Identity Protection Technology			Software	
Display diagonal * 39.6 cm (15.6") Display resolution * 1920 x 1080 pixels Touch screen *		Business	Operating system architecture	64-bit
Display resolution * 1920 x 1080 pixels Touch screen *	Display		Drivers included	✓
Touch screen * HD type Full HD Panel type IPS Full Wireless Display (WiDi) Technology LED backlight Native aspect ratio Display surface Matt Processor Intel Wireless Display (WiDi) Technology Intel My WiFi Technology Intel® Smart Response Technology Intel Identity Protection Technology Intel Identity Protection Technology	Display diagonal *	39.6 cm (15.6")	Trial software	Microsoft Office
HD type Full HD Panel type IPS Intel Wireless Display (WiDi) Technology LED backlight Intel My WiFi Technology Native aspect ratio I6:9 Intel ® Smart Response Technology Processor Processor Intel Wireless Display (WiDi) Technology Intel My WiFi Technology Intel ® Smart Response Technology Intel Identity Protection Technology	Display resolution *	1920 x 1080 pixels	Operating system installed *	Windows 10 Pro
HD type Full HD Panel type IPS Intel Wireless Display (WiDi) Technology LED backlight			Processor special features	
Technology LED backlight Native aspect ratio Display surface Processor Technology Intel My WiFi Technology Intel® Smart Response Technology Intel Identity Protection Technology	• •			
Native aspect ratio Display surface Matt Intel My WIFI Technology	* *			7
Display surface Matt Intel® Smart Response Technology Intel Identity Protection Technology Processor	•		Intel My WiFi Technology	✓
Intel Identity Protection Technology Processor	'		Intel® Smart Response Technology	✓
Processor	. ,	Mari	Intel Identity Protection Technology	✓
Intel Hyper-Threading Technology	Processor		Intel Hyper-Threading Technology	✓
Processor manufacturer * Intel Intel Turbo Boost Technology 2.0	Processor manufacturer *		Intel Turbo Boost Technology	2.0
Processor family * Intel® Core™ i7 Enhanced Intel SpeedStep	•		Enhanced Intel SpeedStep	
Processor generation /tn gen intel® Core 1/ Technology	-	3	Technology	•
Processor * i7-7820HQ Thunderbolt™ 3 Technology		•	Thunderbolt™ 3 Technology	✓
Processor number of cores 4 Intel HD Graphics Processor threads 8			Intel HD Graphics	✓
Processor boost frequency 3.9 GHz			Intel Clear Video HD Technology	✓
Processor frequency * 2.9 GHz Intel Clear Video Technology			Intel Clear Video Technology	✓
Processor requeries Processor cache 8 MB Intel® InTru™ 3D Technology	' '		Intel® InTru™ 3D Technology	✓
Processor cache type Smart Cache Intel® Quick Sync Video Technology ✓		Smart Cache	Intel® Quick Sync Video Technology	· 🗸
Processor lithography 14 nm Intel Flex Memory Access	• •	14 nm	Intel Flex Memory Access	✓
Processor operating modes 64-bit Intel® Smart Cache	Processor operating modes	64-bit	Intel® Smart Cache	/
Processor series Intel Core i7-7800 Mobile Series Intel AES New Instructions	Processor series	Intel Core i7-7800 Mobile Series		1
Processor codename Kaby Lake	Processor codename	Kaby Lake		

Processor Proc	_			
Thermal Design Power (TIDP)	Processor		Processor special features	
Configurable TDP-down Tjunction 35 W Intel VTX with Extended Page (PT Tjunction) √ 100 °C Tolles (EPT Tjunction) √ 100 °C Tolles (EPT Tjunction) √ 100 °C Tolles (EPT Tjunction) ✓ 100 °C Tolles (EPT Members of the Secure Key (PT Members) ✓ 100 °C Tolles (EPT Members)			Intel Trusted Execution Technology	✓
Tunction	• • •		Intel Enhanced Halt State	✓
Maximum number of PCI Express 16 Intel® Secure Key * Company	•		5	✓
James	•			
March Marc		16	·	,
Mamory	PCI Express slots version	3.0		•
Internormal memory	•	1x16, 1x8, 2x4, 2x8		✓
Internal memory ' pick internal memory type 16 68 (Intel Clear Video Technology for MD V V Internal memory type DDR4-SDRAM Intel 64 V Memory form factor SO-DIMM Execute Disable Bit V Memory sjots 2x SO-DIMM Thermal Monitoring Technologies V Memory sjots 2x SO-DIMM Thermal Monitoring Technologies V Storage 25 GB Processor package size 42 x 28 mm Storage SSD Bombedded options washable X Storage capacity 25 GB CPU configuration (max) 1 Solid state drive capacity 25 GB CPU configuration (max) 1 Solid state drive capacity 25 GB CPU configuration (max) 1 Solid state drive interfaces PCI Express Discrete (PVP-d) 1 1 Solid state drive interfaces PCI Express Discrete (PVP-d) 1 1 1 Graphics and five the pick X Intel Small Business Advancage 1 1 Ompatible memory cards NODAS SUBSA Intel Smal	ECC supported by processor	×	Intel® OS Guard	✓
Internal memory Yupe	Memory			✓
Memory clork speed	Internal memory *	16 GB		
Memory Jayout (slots xize)		DDR4-SDRAM		
Memory (ayout (slots x size) 1 x 16 GB Idle States Y Memory (slots) 2 x 50-DIMM Thermal Monitoring Technologies Y Maximum internal memory 3 2 GB Processor package size 4 x 2 8 mm Storage Storage Storage 4 x 2 8 mm Storage capacity 25 GB CPU configuration (max) 1 x 7 x 7 x 7 x 7 x 7 x 7 x 7 x 7 x 7 x	·			
Memory slots 2x SO-DIMM Thermal Monitoring Technologies 42 x 28 mm Maximum Internal memory* 25 GB Processor package size 42 x 28 mm Storage 550 GB CPU configuration (max) 1 Total storage capacity* 256 GB CPU configuration (max) 1 Storage media* 55D Embedded options available of Graphics St Mic Hibography 14 nm Solid-state drive interfaces 256 GB Intel Virtualization Technology for Directed (IO VT-d) 4 nm Solid-state drive interfaces PCI Express Intel Identity Protection Technology for Directed (IO VT-d) 1,00 SSD form factor M.2 Intel Smart Response Technology version 1,00 Card reader integrated V Intel Smart Response Technology version 1,00 Card reader integrated V Intel Small Business Advantage 1,00 Discrete graphics card model* NVIDIA® Quadro® M1200 Intel Small Business Advantage 1,00 Discrete graphics sand family Intel Prophics and Smart Response Technology V On-board graphics card sand graphics card base in frequency 1 (Intel® HD Graphics GBA)	•			
Maximum internal memory* 32 GB	• • •			
Storage Sporage Supported instruction sets AVX 2.0 SSE4.1, SSE4.2 Total storage capacity** 256 GB CPU configuration (max) 1 Storage media* SSD Embedded options available X Number of SSDs installed 1 Graphics & IMC lithography 14 nm Solid-state drive capacity 256 GB Intel Virtualization Technology for Directed to (VT-d) ✓ SSD form factor M.2 Intel Identity Protection Technology version 1,00 SSD form factor M.2 Intel Smart Response Technology version 1,00 Card reader integrated ✓ Intel Small Business Advantage 1,00 Card reader integrated ✓ Intel Small Business Advantage 1,00 Compatible memory cards SD, SDHC, SDXC Intel Small Business Advantage 1,00 Discrete graphics card memory 4 GB KSBA version 1,00 Discrete graphics card memory 6 DDD5 Intel TS-NI version 1,00 Discrete graphics card family Intel Wirtualization Technology (VT-version) 1,00 On-board graphics card base frequency 1,0	•			
Total storage capacity	·		· =	
Storage media		DEC CD	• •	
Number of SSDs installed 1 (a graphics & IMC littlography) 14 nm Solid-state drive capacity 256 GB Intel Virtualization Technology for Directed (D (VT-d) Commender SSD form factor M.2 Intel Identity Protection Technology oversion 1.00 Optical drive type ** X Intel Identity Protection Technology oversion 1.00 Card reader integrated ✓ Version 1.00 Compatible memory cards SD, SDHC, SDXC Intel Stable Image Platform Program (SIPP) version 1.00 Graphics Intel Scene Key Technology version 1.00 Discrete graphics card model ** NVIDIA® Quadro® M1200 Intel Small Business Advantage 1.00 Discrete graphics card memory type GDDR5 Intel Small Business Advantage 1.00 Discrete graphics card memory type GDDR5 Intel Wirtualization Technology (Trus) 7.00 On-board graphics card memory type GDDR5 Intel Small Business Advantage 1.00 On-board graphics card medel ** Intel® HD Graphics Conflict-Free processor 97496 On-board graphics card bige graphics card stard (Trus) 1.00 MHz 8attery				
Solid-state drive capacity 256 GB Intel Virtualization Technology for Directed Vio (VT-d) Version Solid-state drive interfaces M.2 Intel identity Protection Technology version 1.00 Optical drive type* X Intel identity Protection Technology version 1.00 Card reader integrated Y Intel Smart Response Technology version 1.00 Compatible memory cards SD, SDHC, SDXC Intel Stable Image Platform Program 1.00 Graphics Intel Stable Image Platform Program 1.00 Siscrete graphics card memory 4 GB (SBA) version 1.00 Discrete graphics card memory 4 GB Intel SISANI version 1.00 On-board graphics card fembly GDDR5 Intel TSX-NI version 1.00 On-board graphics card fembly Intel BID Graphics Intel FID Graphics Ton Intel Virtualization Technology (VT-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-		•	
Solidate drive interfaces PCI Express Directed I/O (VT-d) Local Interface of SDD form factor M.2 Optical drive type * X Intel Smart Response Technology version 1.00 Campatible memory cards V Intel Stable Image Platform Program (Donot Program Intel Stable Image Platform Program Intel Stable Image Platform Program Intel Secure Key Technology version Intel Version Intel Version Program Intel Version Intel		256 GB		
Version Note of Market Speed S	Solid-state drive interfaces	PCI Express		•
Optical drive type * X	SSD form factor	M.2		1.00
Card reader integrated	Optical drive type *	×		1.00
Graphics (SIPP) version Intel Secure Key Technology version 1.00 Discrete graphics card model* MVIDIA® Quadro® M1200 Intel Small Business Advantage 1.00 Discrete graphics card memory 4 GB (SBA) version 1.00 Discrete graphics card memory 4 GB (SBA) version 1.00 On-board graphics card * ✓ Intel STX-NI version 1.00 On-board graphics card family Intel® HD Graphics Processor ARK ID 97496 On-board graphics card family Intel® HD Graphics 630 Conflict-Free processor ✓ On-board graphics card base frequency 350 MHz Battery Monay 5520BTPDEAT On-board graphics card dynamic frequency (max) 1100 MHz Battery Lithium Polymer (LiPo) Maximum on-board graphics card plics	Card reader integrated	✓	version	1.00
Graphics Intel Secure Key Technology version 1.00 Discrete graphics card model * NVIDIA® Quadro® M1200 Intel Small Business Advantage 1.00 Discrete graphics memory type GDDR5 Intel TSX-NI version 1.00 On-board graphics card * ✓ Intel Virtualization Technology (VT- x) ✓ On-board graphics card family Intel® HD Graphics Conflict-Free processor ARK ID 97496 On-board graphics card family Intel® HD Graphics Conflict-Free processor ✓ On-board graphics card base frequency 1100 MHz Special features NO03P5520BTPDEAT On-board graphics card dynamic frequency (max) 1100 MHz Battery Lithium Polymer (LiPo) Maximum on-board graphics card DirectX version 12.0 Battery cehnology Lithium Polymer (LiPo) On-board graphics card OpenGL version 4.4 Energy Management 1.4 V On-board graphics card OpenGL version 4.4 Energy Management 1.0 W On-board graphics card DirectX version 2.0 2.0 1.0 NVIDIA GA GA Gabpter power 1.0 V On-board graphics card DirectX version 4.4	Compatible memory cards	SD, SDHC, SDXC		1.00
Discrete graphics card memory Discrete graphics memory type Discrete graphics memory type On-board graphics card* V Discrete graphics card* V Discrete graphics card w V Discrete graphics card w V Discrete graphics card w V Discrete graphics card mmily Intel® HD Graphics On-board graphics card family Intel® HD Graphics On-board graphics card mmily Intel® HD Graphics On-board graphics card dmily Intel® HD Graphics On-board graphics card dmily Intel® HD Graphics On-board graphics card dmily Intel® HD Graphics On-board graphics card base frequency On-board graphics card base frequency (max) Maximum on-board graphics card Maximum on-board graphics card Maximum on-board graphics card Maximum on-board graphics card On-board graphics card DirectX Version On	Graphics		,	1.00
Discrete graphics card memory On-board graphics card* On-board graphics card family On-board graphics card base frequency On-board graphics card dynamic frequency Maximum on-board graphics card Maximum on-board graphics card Maximum on-board graphics card On-board graphics card DirectX Value V	Discrete graphics card model *	NVIDIA® Quadro® M1200	Intel Small Business Advantage	1.00
On-board graphics card * * Intel Virtualization Technology (VT-VT-VT) Discrete graphics card * * Processor ARK ID 97496 On-board graphics card family Intel® HD Graphics Conflict-Free processor * On-board graphics card model * Intel® HD Graphics 630 Conflict-Free processor * On-board graphics card base frequency \$50 MHz Special features N003P5520BTPDEAT On-board graphics card dynamic frequency (max) \$1100 MHz Battery Lithium Polymer (LiPo) Maximum on-board graphics card memory \$64 GB Battery technology Lithium Polymer (LiPo) On-board graphics card DirectX \$12.0 Battery capacity* \$66 Wh On-board graphics card DirectX \$12.0 Battery voltage \$11.4 V On-board graphics card DirectX \$2.0 Battery woltage \$13.0 W Number of discrete graphics card Supported \$4.4 Settery Wanagement Number of discrete graphics cards supported \$1.0 AC adapter power \$13.0 W Number of discrete graphics cards installed \$1.0 AC adapter output voltage \$10.0 - 240 V NVIDIA G-SYNC X AC adapter output voltage <td>- '</td> <td></td> <td>` '</td> <td></td>	- '		` '	
Discrete graphics card On-board graphics card family On-board graphics card family On-board graphics card family On-board graphics card base frequency On-board graphics card dynamic frequency Maximum on-board graphics card difference On-board graphics card DirectX version On-board graphics	- ,			1.00
On-board graphics card family Intel® HD Graphics Processor ARK ID 97496 On-board graphics card model* Intel® HD Graphics 630 Conflict-Free processor ✓ On-board graphics card base frequency 350 MHz Special features Mo03P5520BTPDEAT On-board graphics card dynamic frequency (max) 1100 MHz Battery Lithium Polymer (LiPo) Maximum on-board graphics card DirectX version 12.0 Battery technology Lithium Polymer (LiPo) On-board graphics card OpenGL version 4.4 Battery capacity* 56 Wh On-board graphics card ID 0x591B AC adapter power 130 W Number of discrete graphics cards supported 1 AC adapter frequency 50 - 60 Hz Number of discrete graphics cards supported 1 AC adapter frequency 50 - 60 Hz Number of discrete graphics cards installed 1 AC adapter frequency 50 - 60 Hz NVIDIA G-SYNC X AC adapter output voltage 19.5 Y NVIDIA GameWorks VR X DC-in jack ✓ CUDA cores 640 Cable lock slot ✓ Audio MaxxAudio Pro Password protection Kensington				✓
On-board graphics card model * Intel® HD Graphics 630 Conflict-Free processor ✓ On-board graphics card base frequency 350 MHz Special features N003P5520BTPDEAT On-board graphics card dynamic frequency (max) 1100 MHz Battery Lithium Polymer (LiPo) Maximum on-board graphics card memory 64 GB Battery capacity * 56 Wh On-board graphics card DirectX version 12.0 Battery capacity * 56 Wh On-board graphics card OpenGL version 4.4 Energy Management 11.4 V On-board graphics card ID 0x591B AC adapter power 130 W Number of discrete graphics cards supported 1 AC adapter frequency 50 - 60 Hz Number of discrete graphics cards supported 1 AC adapter input voltage 100 - 240 V Number of discrete graphics cards supported 1 AC adapter output current 6.67 A NVIDIA G-SYNC X AC adapter output voltage 19.5 V NVIDIA GameWorks VR X DC-in jack ✓ CUDA cores 640 Cable lock slot ✓ Audio Max	5 ,		Processor ARK ID	97496
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Maximum on-board graphics card memory Maximum on-board graphics card DirectX memory On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card ID Ox591B AC adapter power AC adapter power AC adapter input voltage Number of discrete graphics cards a version and installed NVIDIA G-SYNC NVIDIA GameWorks VR CUDA CUDA CUDA CUDA AC adapter output voltage AC adapter output voltage AC adapter output voltage DC-in jack CUDA Cubla Cores 640 Cable lock slot Cuble lock slot Audio system Speakers manufacturer Waves MaxxAudio Pro Speakers manufacturer Waves Agater y voltage Actor adapter power AC adapter input voltage 100 - 240 V AC adapter output current 6.67 A AC adapter output voltage 19.5 V Cuble lock slot Cable lock slot Cable lock slot Audio System Speakers manufacturer Waves Password protection Waves Operational Conditions	On-board graphics card dynamic	1100 MHz	Battery	
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version12.00Battery voltage50 WillOn-board graphics card OpenGL version4.4Energy ManagementOn-board graphics card ID0x591BAC adapter power130 WNumber of discrete graphics cards supported1AC adapter frequency50 - 60 HzNumber of discrete graphics cards installed1AC adapter input voltage100 - 240 VNVIDIA G-SYNCXAC adapter output current6.67 ANVIDIA GameWorks VRXDC-in jack✓CUDA✓SecurityCUDA cores640Cable lock slot✓AudioCable lock slot typeKensingtonAudio systemMaxxAudio ProPassword protection✓Speakers manufacturerWavesPassword protection typeBIOS, Supervisor, UserBuilt-in microphone✓Operational Conditions		64 GB		• • • •
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version4.4Energy ManagementOn-board graphics card ID0x591BAC adapter power130 WNumber of discrete graphics card's supported1AC adapter frequency50 - 60 HzNumber of discrete graphics card's installed1AC adapter input voltage100 - 240 VNVIDIA G-SYNCXAC adapter output current6.67 ANVIDIA GameWorks VRXDC-in jack✓CUDA✓SecurityCUDA cores640Cable lock slot✓AudioCable lock slot typeKensingtonAudio systemMaxxAudio ProPassword protection✓Speakers manufacturerWavesOperational ConditionsBIOS, Supervisor, User			Battery voltage	11.4 V
Number of discrete graphics cards supported Number of discrete graphics cards installed Number of discrete graphics cards installed NVIDIA G-SYNC NVIDIA GameWorks VR CUDA CUDA CUDA Audio Audio Audio AuxAudio Pro Speakers manufacturer MaxxAudio Pro Waves Aux adapter input voltage AC adapter output current AC adapter output voltage 100 - 240 V AC adapter output voltage 19.5 V Coble lock slot Cable lock slot Cable lock slot Cable lock slot V Cable lock slot type Kensington Auxion Speakers manufacturer Waves Password protection Password protection type BIOS, Supervisor, User Operational Conditions		4.4	Energy Management	
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CUDA	NVIDIA G-SYNC	×		
CUDA cores 640 Cable lock slot Audio Audio Audio System MaxxAudio Pro Speakers manufacturer Waves Password protection type BIOS, Supervisor, User Built-in microphone Cable lock slot type Kensington Password protection Password protection type BIOS, Supervisor, User Operational Conditions	NVIDIA GameWorks VR	×	DC-in jack	✓
AudioCable lock slot typeKensingtonAudio systemMaxxAudio ProPassword protection✓Speakers manufacturerWavesPassword protection typeBIOS, Supervisor, UserBuilt-in microphone✓Operational Conditions	CUDA	✓	Security	
Audio system MaxxAudio Pro Password protection ✓ Speakers manufacturer Waves Password protection type BIOS, Supervisor, User Built-in microphone ✓ Operational Conditions	CUDA cores	640	Cable lock slot	✓
Speakers manufacturer Waves Password protection type BIOS, Supervisor, User Operational Conditions	Audio		Cable lock slot type	Kensington
Speakers manufacturer Waves Password protection type BIOS, Supervisor, User Built-in microphone ✓ Operational Conditions	Audio system	MaxxAudio Pro	Password protection	✓
·		Waves	Password protection type	BIOS, Supervisor, User
Number of microphones 2 Operating temperature range (T-T) 0 - 40 °C	Built-in microphone	✓	Operational Conditions	
	Number of microphones	2	Operating temperature range (T-T)	0 - 40 °C

Camera		Operational Conditions	
Front camera Front camera resolution (numeric) Front camera resolution Front camera signal format Front camera HD type Video capturing speed	 ✓ 0.92 MP 1280 x 720 pixels 720p HD 30 fps 	Storage temperature range (T-T) Operating relative humidity range Storage relative humidity range Operating altitude Non-operating altitude Operating shock	-40 - 70 °C 10 - 90% 10 - 95% -15.2 - 3048 m -15.2 - 10668 m 110 G
Network		Non-operating shock Operating vibration	160 G 0.66 G
Wi-Fi Top Wi-Fi standard *	✓ Wi-Fi 5 (802.11ac)	Non-operating vibration	1.3 G
•	802.11a, Wi-Fi 5 (802.11ac),	Sustainability	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability certificates	ENERGY STAR
Ethernet LAN connection	X	Weight & Dimensions	
Bluetooth Bluetooth version	√ 4.2	Width Depth	357 mm 235.3 mm
Ports & interfaces		Height (front)	1.15 cm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height (rear) Weight *	1.68 cm 1.78 kg
HDMI ports quantity *	1	Packaging Content	
HDMI version DVI port Thunderbolt 3 ports quantity Combo headphone/mic port USB Sleep-and-Charge	1.4 × 1	AC adapter bundled * Manual Warranty card Power cord included	* * * * *
USB Sleep-and-Charge ports	2	Other features	
PowerShare	✓	Maximum internal memory (64-bit)	32 GB
Number of USB ports with PowerShare support	2		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	×		
Keyboard backlit	✓		

Full-size keyboard



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Catalog Object Cloud



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