



DELL OptiPlex 7770 Intel® Core™ i7 i7-9700 68.6 cm (27") 1920 x 1080 pixels Touchscreen All-in-One PC 8 GB DDR4-SDRAM 256 GB SSD Windows 10 Pro Wi-Fi 5 (802.11ac) Black, Silver

Brand : DELL

Product family: OptiPlex

Product code: JV7R7

Product name : 7770

DELL OptiPlex 7770. Product type: All-in-One PC. Display diagonal: 68.6 cm (27"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen, Screen shape: Flat. Processor family: Intel® Core™ i7, Processor frequency: 3 GHz. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Built-in camera. Operating system installed: Windows 10 Pro. Product colour: Black, Silver



Display		Ports & interfaces	
Display diagonal *	68.6 cm (27")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Touchscreen *	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
HD type *	Full HD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	HDMI output ports quantity	1
Display brightness	200 cd/m²	DisplayPorts quantity	1
Panel type	IPS	Microphone in	✗
Pixel pitch	0.3114 x 0.3114 mm	Combo headphone/mic port	✓
Screen shape	Flat	Audio output	✓
Display number of colours	16.78 million colours	PowerShare	✓
Processor		Number of USB ports with PowerShare support	1
Processor manufacturer *	Intel	Design	
Processor family *	Intel® Core™ i7	Product colour *	Black, Silver
Processor generation	9th gen Intel® Core™ i7	Cable lock slot	✓
Processor model *	i7-9700	On/off button	✓
Processor cores	8	Performance	
Processor threads	8	Product type *	All-in-One PC
Processor boost frequency	4.7 GHz	Placement supported	Horizontal
Processor frequency *	3 GHz	Software	
Processor cache	12 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 10 Pro
System bus rate	8 GT/s	Operating system language	Multilingual
Thermal Design Power (TDP)	65 W	Trial software	Microsoft Office
PCI Express slots version	3.0		
Processor socket	LGA 1151 (Socket H4)		
Processor lithography	14 nm		
Processor operating modes	64-bit		

Processor		Processor special features	
Processor codename	Coffee Lake	Intel® Turbo Boost Technology	2.0
Maximum number of PCI Express lanes	16	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Identity Protection Technology (Intel® IPT)	✓
Tjunction	100 °C	Enhanced Intel SpeedStep Technology	✓
Maximum internal memory supported by processor	128 GB	Intel® Quick Sync Video Technology	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory clock speeds supported by processor	2666 MHz	Intel Clear Video Technology	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel® InTru™ 3D Technology	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory *	8 GB	Intel Trusted Execution Technology	✓
Internal memory type	DDR4-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum internal memory *	32 GB	Intel® Secure Key	✓
Memory slots	2	Intel TSX-NI	✓
Memory slots type	SO-DIMM	Intel Stable Image Platform Program (SIPP)	✓
Memory clock speed	2666 MHz	Intel® OS Guard	✓
Memory layout (slots x size)	1 x 8 GB	Intel Software Guard Extensions (Intel SGX)	✓
Memory form factor	DIMM/SO-DIMM	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	256 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Number of storage drives installed	1	Processor package size	37.5 x 37.5 mm
Total SSDs capacity	256 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Number of SSDs installed	1	Scalability	1S
SSD capacity	256 GB	CPU configuration (max)	1
SSD form factor	M.2	Embedded options available	✗
Optical drive type *	✗	Thermal solution specification	PCG 2015C
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	SD	Intel Virtualization Technology (VT-x)	✓
Graphics		Processor ARK ID	191792
Discrete graphics card *	✗	Power	
Discrete graphics card model *	Not available	AC adapter frequency	47/63 Hz
On-board graphics card *	✓	AC adapter input voltage	100 - 240 V
On-board graphics card model *	Intel® UHD Graphics 630	Pen	
On-board graphics card base frequency	350 MHz	Pen included	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Weight & dimensions	
Maximum on-board graphics card memory	64 GB	Width (with stand)	614 mm
Number of displays supported (on-board graphics)	3	Depth (with stand)	254.8 mm
On-board graphics card DirectX version	12.0	Weight (with stand)	11.8 kg
On-board graphics card OpenGL version	4.5	Width (without stand)	614 mm
On-board graphics card ID	0x3E98	Depth (without stand)	57.7 mm
Audio		Height (without stand)	389 mm
Built-in speaker(s) *	✓	Weight (without stand)	8.63 kg
Number of speakers	2	Package width	918 mm
RMS rated power	6 W	Package depth	216 mm
Built-in microphone	✓	Package height	558 mm
Audio chip	Realtek ALC3289	Package weight	15.5 kg
Audio system	Waves MaxxAudio Pro	Packaging content	
Camera		Mouse included on selected markets only	✓
Built-in camera *	✓		

Camera		Packaging content	
Total megapixels	2 MP	Keyboard included on selected markets only	✓
Camera signal format	1080p	Power cord included	✓
Camera HD type	Full HD	Manual	✓
Privacy camera	✓	Other features	
Privacy type	Pop-up	3D	✗
Network		Autonomy mode	✗
Wi-Fi *	✓	Detachable display	✗
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Stand type	Height adjustable stand
Wi-Fi standards	Wi-Fi 5 (802.11ac)		
WLAN controller model	Intel Dual Band Wireless-AC 9560		
Antenna type	2x2		
Ethernet LAN *	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth *	✓		



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