



DELL Inspiron 7790 Intel® Core™ i7 i7-10510U 68.6 cm (27") 1920 x 1080 pixels All-in-One PC 8 GB DDR4-SDRAM 1.51 TB HDD+SSD Windows 10 Home Wi-Fi 5 (802.11ac) Silver

Brand : DELL

Product family: Inspiron

Product code: 7790-2989

Product name : 7790

DELL Inspiron 7790. Product type: All-in-One PC. Display diagonal: 68.6 cm (27"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Panel type: IPS. Processor family: Intel® Core™ i7, Processor frequency: 1.8 GHz. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1.51 TB, Storage media: HDD+SSD. On-board graphics card model: Intel® UHD Graphics. Built-in camera. Operating system installed: Windows 10 Home. Product colour: Silver



Display		Software	
Display diagonal *	68.6 cm (27")	Bundled software	Financial Tracker & Retail Information
Display resolution *	1920 x 1080 pixels	Processor special features	
Touchscreen *	✗	Intel Turbo Boost Technology	2.0
HD type *	Full HD	Intel Hyper-Threading Technology	✓
Display brightness	250 cd/m²	Intel My WiFi Technology	✓
Panel type	IPS	Intel Identity Protection Technology	✓
Response time	25 ms	Enhanced Intel SpeedStep Technology	✓
Pixel pitch	0.3114 x 0.3114 mm	Intel® Quick Sync Video Technology	✓
Processor		Intel Clear Video HD Technology	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✓
Processor family *	Intel® Core™ i7	Intel Flex Memory Access	✓
Processor generation	10th gen Intel® Core™ i7	Intel AES New Instructions	✓
Processor *	i7-10510U	Intel Trusted Execution Technology	✗
Processor number of cores	4	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	8	Intel® Secure Key	✓
Processor boost frequency	4.9 GHz	Intel TSX-NI	✗
Processor frequency *	1.8 GHz	Intel Stable Image Platform Program (SIPP)	✗
Processor cache	8 MB	Intel® OS Guard	✓
System bus data transfer rate	4 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Thermal Design Power (TDP)	15 W	Intel 64	✓
Configurable TDP-up frequency	2.3 GHz	Execute Disable Bit	✓
Configurable TDP-up	25 W	Idle States	✓
Configurable TDP-down frequency	0.8 GHz		
Configurable TDP-down	10 W		
PCI Express slots version	3.0		
Processor socket	BGA 1528		
Processor lithography	14 nm		
Processor operating modes	64-bit		

Processor		Processor special features	
Processor codename	Comet Lake	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	16	Processor package size	46 x 24 mm
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Tjunction	100 °C	CPU configuration (max)	1
Maximum internal memory supported by processor	64 GB	Embedded options available	✗
Memory types supported by processor	DDR4-SDRAM, LPDDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	2666,2133 MHz	Intel Virtualization Technology (VT-x)	✓
Memory bandwidth supported by processor (max)	41.66 GB/s	Processor ARK ID	196449
Memory		Power	
Internal memory *	8 GB	AC adapter power	90 W
Internal memory type	DDR4-SDRAM	AC adapter frequency	50 - 60 Hz
Memory, maximum *	32 GB	AC adapter input voltage	100 - 240 V
Memory slots	2	AC adapter output voltage	19.5 V
Memory slots type	SO-DIMM	Weight & dimensions	
Memory clock speed	2666 MHz	Width (with stand)	611.9 mm
Memory layout (slots x size)	1 x 8 GB	Depth (with stand)	202.3 mm
Storage		Height (with stand)	453.2 mm
Total storage capacity *	1.51 TB	Weight (with stand)	7.34 kg
Storage media *	HDD+SSD	Width (without stand)	611.9 mm
Total HDDs capacity	1 TB	Depth (without stand)	42 mm
Number of HDDs installed	1	Height (without stand)	395.4 mm
Hard drive capacity	1 TB	Weight (without stand)	6.71 kg
Hard drive rotational speed	5400 RPM	Package width	273 mm
Total SSDs capacity	512 GB	Package depth	724 mm
Number of SSDs installed	1	Package height	584 mm
Solid-state drive capacity	512 GB	Package weight	10.9 kg
Optical drive *	✗	Recycling data	
Card reader integrated	✓	Paper molded pulp content per package	0 g
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC, SD, SDHC, SDXC	Bamboo molded pulp content per package	0 g
Graphics		Wheat straw molded pulp content per package	0 g
Discrete graphics card *	✗	Grey board content per package	0 g
Discrete graphics card model *	Not available	Corrugated cardboard content per package	2.1 kg
On-board graphics card *	✓	Corrugated cardboard content per shipping (inner) case	1.76 kg
On-board graphics card model *	Intel® UHD Graphics	Corrugated cardboard content per box for accessories	200 g
On-board graphics card base frequency	300 MHz	Corrugated cardboard content per sleeve for accessories	140 g
On-board graphics card dynamic frequency (max)	1150 MHz	Polyethylene terephthalate (PET) content per package	0 g
Maximum on-board graphics card memory	32 GB	High-density polyethylene (HDPE) content per package	0 g
Number of displays supported (on-board graphics)	3	Low-density polyethylene (LDPE) content per package	420 g
On-board graphics card DirectX version	12.0	Polypropylene (PP) content per package	60 g
On-board graphics card OpenGL version	4.5	Polystyrene (PS) content per package	0 g
On-board graphics card ID	0x9B41	Other materials content per package	30 g
Number of execution units	24	Operational conditions	
Audio		Operating temperature (T-T)	5 - 35 °C
Built-in speaker(s) *	✓	Storage temperature (T-T)	-40 - 65 °C
Number of speakers	2	Operating relative humidity (H-H)	20 - 80%
RMS rated power	10 W	Storage humidity	5 - 95%
Built-in microphone	✓	Operating altitude	0 - 3048 m
Audio chip	Realtek ALC3289-CG		

Camera		Operational conditions	
Built-in camera *	✓	Storage altitude	0 - 10668 m
Network		Certificates	
Wi-Fi *	✓	EPEAT rating	80.46%
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Sustainability	
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Sustainability certificates	ENERGY STAR
Antenna type	1x1	Packaging content	
Ethernet LAN connection *	✓	Mouse included on selected markets only	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Keyboard included on selected markets only	✓
Bluetooth *	✓	Logistics data	
Ports & interfaces		Products per intermodal container (20ft)	100 pc(s)
Ethernet LAN (RJ-45) ports	1	Products per intermodal container (40ft)	210 pc(s)
USB 2.0 ports quantity *	1	Pallet gross width	100 cm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Pallet gross length	120 cm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Pallet gross weight	62.5 kg
HDMI ports quantity *	2	Pallet volume weight	144.8 kg
Microphone in	✗	Layers per pallet	1 pc(s)
Audio output	✓	Products per pallet layer	5 pc(s)
DC-in jack	✓	Products per pallet	5 pc(s)
Design		Maximum number of stacking cartons	3 pc(s)
Color name	Silver	Other features	
Product colour *	Silver	Stand type	Pafilia stand
Cable lock slot	✓	Package material	Corrugated cardboard, Low-density polyethylene (LDPE), Polypropylene (PP)
On/off button	✓		
Performance			
Product type *	All-in-One PC		
Placement supported	Horizontal		
Software			
Operating system architecture	64-bit		
Operating system installed *	Windows 10 Home		



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Catalog Object Cloud



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