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	
Display diagonal *	68,6 cm (27")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type *	Full HD
Display brightness	250 cd/m²
Panel type	IPS
Response time	25 ms
Pixel pitch	0,3114 x 0,3114 mm

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	10th gen Intel® Core™ i7
Processor model *	i7-10510U
Processor cores	4
Processor threads	8
Processor boost frequency	4,9 GHz
Processor frequency *	1,8 GHz
Processor cache	8 MB
System bus rate	4 GT/s
Thermal Design Power (TDP)	15 W
Configurable TDP-up frequency	2,3 GHz
Configurable TDP-up	25 W
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 special features	
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Quick Sync Video Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear 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 TSX-NI	✗
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

Processor codename	Comet Lake
Maximum number of PCI Express lanes	16
PCI Express configurations	1x4, 2x2, 1x2+2x1, 4x1
Tjunction	100 °C
Maximum internal memory supported by processor	64 GB
Memory types supported by processor	DDR4-SDRAM, LPDDR3-SDRAM
Memory clock speeds supported by processor	2666,2133 MHz
Memory bandwidth supported by processor (max)	41,66 GB/s

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Maximum internal memory *	32 GB
Memory slots	2
Memory slots type	SO-DIMM
Memory clock speed	2666 MHz
Memory layout (slots x size)	1 x 8 GB

Storage

Total storage capacity *	1,51 TB
Storage media *	HDD+SSD
Total HDDs capacity	1 TB
Number of HDDs installed	1
HDD capacity	1 TB
HDD speed	5400 RPM
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash), MicroSDHC, MicroSDXC, SD, SDHC, SDXC

Graphics

Discrete graphics card *	✘
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	32 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x9B41
Number of execution units	24

Audio

Built-in speaker(s) *	✔
Number of speakers	2
RMS rated power	10 W
Built-in microphone	✔
Audio chip	Realtek ALC3289-CG

Processor special features

Processor package size	46 x 24 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	196449

Power

AC adapter power	90 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19.5 V

Weight & dimensions

Width (with stand)	611,9 mm
Depth (with stand)	202,3 mm
Height (with stand)	453,2 mm
Weight (with stand)	7,34 kg
Width (without stand)	611,9 mm
Depth (without stand)	42 mm
Height (without stand)	395,4 mm
Weight (without stand)	6,71 kg
Package width	273 mm
Package depth	724 mm
Package height	584 mm
Package weight	10,9 kg

Recycling data

Paper molded pulp content per package	0 g
Bamboo molded pulp content per package	0 g
Wheat straw molded pulp content per package	0 g
Grey board content per package	0 g
Corrugated cardboard content per package	2,1 kg
Corrugated cardboard content per shipping (inner) case	1,76 kg
Corrugated cardboard content per box for accessories	200 g
Corrugated cardboard content per sleeve for accessories	140 g
Polyethylene terephthalate (PET) content per package	0 g
High-density polyethylene (HDPE) content per package	0 g
Low-density polyethylene (LDPE) content per package	420 g
Polypropylene (PP) content per package	60 g
Polystyrene (PS) content per package	0 g
Other materials content per package	30 g

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	0 - 3048 m
Non-operating altitude	0 - 10668 m

Camera

Built-in camera *	✔

Network

Wi-Fi *	✔
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	Wi-Fi 5 (802.11ac)
Antenna type	1x1
Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth *	✔

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
HDMI ports quantity *	2
Microphone in	✘
Audio output	✔
DC-in jack	✔

Design

Colour name	Silver
Product colour *	Silver
Cable lock slot	✔
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
Bundled software	Financial Tracker & Retail Information

Certificates

EPEAT rating	80,46%

Sustainability

Sustainability certificates	ENERGY STAR

Packaging content

Mouse included on selected markets only	✔
Keyboard included on selected markets only	✔

Logistics data

Quantity per intermodal container (20ft)	100 pc(s)
Quantity per intermodal container (40ft)	210 pc(s)
Pallet width	100 cm
Pallet length	120 cm
Pallet weight	62,5 kg
Pallet volume weight	144,8 kg
Number of layers per pallet	1 pc(s)
Quantity per pallet layer	5 pc(s)
Quantity per pallet	5 pc(s)
Maximum number of stacking cartons	3 pc(s)

Other features

Stand type	Pafilia stand
Package material	Corrugated cardboard, Low-density polyethylene (LDPE), Polypropylene (PP)

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Catalog Object Cloud