DELL XPS 8900 Intel® Core™ i7 i7-6700 16 GB DDR4-SDRAM 2 TB HDD NVIDIA® GeForce® GTX 745 Windows 10 Home Mini Tower PC Black

Brand : DELL   **Product family:** XPS   **Product code:** X8900-3131BLK

Product name : 8900

Intel Core i7-6700 Processor (8M Cache, up to 4.00 GHz), 16GB DDR4, 2TB SATA HDD, nVidia GeForce GTX 745 4GB, DVD Super Multi, Gigabit LAN, WLAN, Bluetooth, Windows 10 Home 64-bit
DELL XPS 8900. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor: i7-6700. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 2 TB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GTX 745. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Chassis type: Mini Tower. Product type: PC

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	6th gen Intel® Core™ i7
Processor *	i7-6700
Processor number of cores	4
Processor threads	8
Processor boost frequency	4 GHz
Processor frequency *	3.4 GHz
Processor socket	LGA 1151 (Socket H4)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus data transfer rate	8 GT/s
Bus type	DMI3
FSB Parity	✘
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-6700 Desktop series
Processor codename	Skylake
Thermal Design Power (TDP)	65 W
Tcase	71 °C
PCI Express slots version	3.0
Maximum number of PCI Express lanes	16
PCI Express configurations	2x8, 1x8+2x4, 1x16

Design

Water cooling system	✘
Number of 3.5" bays	3
Number of 5.25" bays	2
Cable lock slot	✔
Product colour *	Black

Performance

Motherboard chipset	Intel® Z170
Audio system	Waves MaxxAudio Pro
Audio output channels	7.1 channels
Password protection	✔
Password protection type	BIOS, User
Product type *	PC

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home
Drivers included	✔

Processor special features

Intel® Small Business Advantage (Intel® SBA)	✔
Intel Wireless Display (WiDi) Technology	✔
Intel 64	✔

Processor

Number of processors installed	1
Stepping	R0
Maximum internal memory supported by processor	64 GB
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz
Memory bandwidth supported by processor (max)	34.1 GB/s
ECC supported by processor	✘
Memory voltage supported by processor	1.35 V

Memory

Internal memory *	16 GB
Maximum internal memory *	32 GB
Internal memory type	DDR4-SDRAM
Memory layout (slots x size)	2 x 8 GB
Memory slots	4x DIMM
Memory clock speed	2133 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	2 TB
Storage media *	HDD
Optical drive type *	DVD Super Multi
Number of storage drives installed	1
Number of hard drives installed	1
Hard drive capacity	2 TB
Hard drive rotational speed	7200 RPM
Hard drive size	3.5"
Card reader integrated	✔
Compatible memory cards	CF, CF Type II, MMC, MMC Mobile, MMC+, MS Duo, MS PRO, MS PRO Duo, MS Pro-HG, MicroDrive, MiniSD, RS-MMC, SD, SDHC, SDXC, Smart Media xD, SmartMedia, xD

Graphics

On-board graphics card *	✔
Discrete graphics card model *	NVIDIA® GeForce® GTX 745
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR3
Number of discrete graphics cards	1
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 530
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	1.74 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	1912
Graphics card Open GL support	✔
NVIDIA G-SYNC	✔
NVIDIA GameWorks VR	✘
CUDA	✔
CUDA cores	384

Processor special features

Enhanced Intel SpeedStep Technology	✔
Embedded options available	✔
Intel® Built-in Visuals Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel Stable Image Platform Program (SIPP)	✔
Intel AES New Instructions	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel HD Graphics	✔
Intel FDI Technology	✘
Intel Flex Memory Access	✘
Intel Fast Memory Access	✘
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✘
Intel Software Guard Extensions (Intel SGX)	✔
Intel Clear Video Technology for MID	✔
Processor package size	37.5 x 37.5 mm
Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Processor code	SR2BT
Scalability	1S
CPU configuration (max)	1
Graphics & IMC lithography	14 nm
Thermal solution specification	PCG 2015C
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	1.00
Intel Dual Display Capable Technology	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	88196
Intel Turbo Boost Technology	2.0
Intel Hyper-Threading Technology	✔
Intel® Quick Sync Video Technology	✔
Intel My WiFi Technology	✘
Intel Identity Protection Technology	✔
Intel Anti-Theft Technology	✘
Conflict-Free processor	✔

Graphics

Graphics card HDMI ports quantity	1
Graphics card DVI-D ports quantity	1
Graphics card VGA (D-Sub) ports quantity	1

Network

Ethernet LAN connection *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
DVI port	✘
HDMI ports quantity *	1
DisplayPorts quantity	1
Ethernet LAN (RJ-45) ports quantity	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔

Expansion Slots

PCI Express x4 slots	1
PCI Express x16 slots	2

Design

Chassis type *	Mini Tower
Placement supported	Vertical

Energy Management

Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Operational Conditions

Operating temperature range (T-T)	10 - 35 °C
Storage temperature range (T-T)	-40 - 65 °C
Operating relative humidity range	20 - 80%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m

Certificates

Certification	CECP

Sustainability

Sustainability certificates	ENERGY STAR

Weight & Dimensions

Width *	185 mm
Depth *	444 mm
Height *	406.8 mm
Weight *	13.8 kg

Packaging Content

Mouse included	✔
Keyboard included	✔
Cables included	AC
Manual	✔

Display

Display included *	✘

Other features

Optical drives quantity	1
Intel Virtualization Technology	VT-x, VT-d

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