



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		Design	
Processor manufacturer *	Intel	Water cooling system	✗
Processor family *	Intel® Core™ i7	Number of 3.5" bays	3
Processor generation	6th gen Intel® Core™ i7	Number of 5.25" bays	2
Processor *	i7-6700	Cable lock slot	✓
Processor number of cores	4	Product colour *	Black
Processor threads	8	Performance	
Processor boost frequency	4 GHz	Motherboard chipset	Intel® Z170
Processor frequency *	3.4 GHz	Audio system	Waves MaxxAudio Pro
Processor socket	LGA 1151 (Socket H4)	Audio output channels	7.1 channels
Processor cache	8 MB	Password protection	✓
Processor cache type	Smart Cache	Password protection type	BIOS, User
System bus data transfer rate	8 GT/s	Product type *	PC
Bus type	DMI3	Software	
FSB Parity	✗	Operating system architecture	64-bit
Processor lithography	14 nm	Operating system installed *	Windows 10 Home
Processor operating modes	64-bit	Drivers included	✓
Processor series	Intel Core i7-6700 Desktop series	Processor special features	
Processor codename	Skylake	Intel® Small Business Advantage (Intel® SBA)	✓
Thermal Design Power (TDP)	65 W	Intel Wireless Display (WiDi) Technology	✓
Tcase	71 °C	Intel 64	✓
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	2x8, 1x8+2x4, 1x16		

Processor		Processor special features	
Number of processors installed	1	Enhanced Intel SpeedStep Technology	✓
Stepping	R0	Embedded options available	✓
Maximum internal memory supported by processor	64 GB	Intel® Built-in Visuals Technology	✓
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM	Intel® InTru™ 3D Technology	✓
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel® Insider™	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel Clear Video HD Technology	✓
ECC supported by processor	✗	Intel Clear Video Technology	✓
Memory voltage supported by processor	1.35 V	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel TSX-NI	✓
		Idle States	✓
		Thermal Monitoring Technologies	✓
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✓
Maximum internal memory *	32 GB	Intel AES New Instructions	✓
Internal memory type	DDR4-SDRAM	Intel® Secure Key	✓
Memory layout (slots x size)	2 x 8 GB	Intel® OS Guard	✓
Memory slots	4x DIMM	Intel Trusted Execution Technology	✓
Memory clock speed	2133 MHz	Execute Disable Bit	✓
Memory channels	Dual-channel	Intel HD Graphics	✓
Storage		Intel FDI Technology	✗
		Intel Flex Memory Access	✗
Total storage capacity *	2 TB	Intel Fast Memory Access	✗
Storage media *	HDD	Intel Enhanced Halt State	✓
Optical drive type *	DVD Super Multi	Intel Demand Based Switching	✗
Number of storage drives installed	1	Intel Software Guard Extensions (Intel SGX)	✓
Number of hard drives installed	1	Intel Clear Video Technology for MID	✓
Hard drive capacity	2 TB	Processor package size	37.5 x 37.5 mm
Hard drive rotational speed	7200 RPM	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Hard drive size	3.5"	Processor code	SR2BT
Card reader integrated	✓	Scalability	1S
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	CPU configuration (max)	1
		Graphics & IMC lithography	14 nm
Graphics		Thermal solution specification	PCG 2015C
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GTX 745	Intel Stable Image Platform Program (SIPP) version	1.00
Discrete graphics card memory	4 GB	Intel Secure Key Technology version	1.00
Discrete graphics memory type	GDDR3	Intel Virtualization Technology (VT-x)	✓
Number of discrete graphics cards	1	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	1.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Dual Display Capable Technology	✗
On-board graphics card base frequency	350 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	88196
Maximum on-board graphics card memory	1.74 GB	Intel Turbo Boost Technology	2.0
Number of displays supported (on-board graphics)	3	Intel Hyper-Threading Technology	✓
On-board graphics card DirectX version	12.0	Intel® Quick Sync Video Technology	✓
On-board graphics card OpenGL version	4.4	Intel My WiFi Technology	✗
On-board graphics card ID	1912	Intel Identity Protection Technology	✓
Graphics card Open GL support	✓	Intel Anti-Theft Technology	✗
NVIDIA G-SYNC	✓	Conflict-Free processor	✓
NVIDIA GameWorks VR	✗		
CUDA	✓		
CUDA cores	384		

Graphics		Energy Management	
Graphics card HDMI ports quantity	1	Power supply input voltage	100 - 240 V
Graphics card DVI-D ports quantity	1	Power supply input frequency	50 - 60 Hz
Graphics card VGA (D-Sub) ports quantity	1	Operational Conditions	
Network		Operating temperature range (T-T)	10 - 35 °C
Ethernet LAN connection *	✓	Storage temperature range (T-T)	-40 - 65 °C
Ethernet LAN data rates	10,100,1000 Mbit/s	Operating relative humidity range	20 - 80%
Cabling technology	10/100/1000Base-T(X)	Operating altitude	-15.2 - 3048 m
Wi-Fi *	✓	Non-operating altitude	-15.2 - 10668 m
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Certificates	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Certification	CECP
Bluetooth	✓	Sustainability	
Bluetooth version	4.0	Sustainability certificates	ENERGY STAR
Ports & interfaces		Weight & Dimensions	
USB 2.0 ports quantity *	4	Width *	185 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6	Depth *	444 mm
DVI port	✗	Height *	406.8 mm
HDMI ports quantity *	1	Weight *	13.8 kg
DisplayPorts quantity	1	Packaging Content	
Ethernet LAN (RJ-45) ports quantity	1	Mouse included	✓
Microphone in	✓	Keyboard included	✓
Headphone outputs	1	Cables included	AC
Line-out	✓	Manual	✓
Line-in	✓	Display	
Expansion Slots		Display included *	✗
PCI Express x4 slots	1	Other features	
PCI Express x16 slots	2	Optical drives quantity	1
Design		Intel Virtualization Technology	VT-x, VT-d
Chassis type *	Mini Tower		
Placement supported	Vertical		

Catalog Object Cloud



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