



DELL XPS 8500 Intel® Core™ i7 i7-3770 8 GB DDR3-SDRAM 2 TB NVIDIA® GeForce® GT 640 Windows 7 Professional Desktop PC Black, White

Brand : DELL

Product family: XPS

Product code: D00X8522

Product name : 8500

DELL XPS 8500. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-3770. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 2 TB, Optical drive type: Blu-Ray DVD Combo. On-board graphics card model: Intel® HD Graphics 4000, Discrete graphics card model: NVIDIA® GeForce® GT 640. Operating system installed: Windows 7 Professional. Chassis type: Desktop. Product type: PC. Weight: 12.9 kg. Product colour: Black, White



Processor		Design	
Processor manufacturer *	Intel	Chassis type *	Desktop
Processor family *	Intel® Core™ i7	Product colour *	Black, White
Processor generation	3rd gen Intel® Core™ i7	Performance	
Processor model *	i7-3770	Product type *	PC
Processor cores	4	Software	
Processor threads	8	Operating system installed *	Windows 7 Professional
Processor boost frequency	3.9 GHz	Processor special features	
Processor frequency *	3.4 GHz	Intel® Wireless Display (Intel® WiDi)	✓
Processor socket	LGA 1155 (Socket H2)	Intel 64	✓
Processor cache	8 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Embedded options available	✓
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Bus type	DMI	Intel® Insider™	✓
FSB Parity	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor lithography	22 nm	Intel Clear Video Technology	✗
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i7-3700 Desktop series	Intel TSX-NI	✗
Processor codename	Ivy Bridge	Idle States	✓
Thermal Design Power (TDP)	77 W	Thermal Monitoring Technologies	✓
Tcase	67.4 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Tjunction	105 °C	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✓
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Execute Disable Bit	✓
Number of processors installed	1		
Stepping	E1		
CPU multiplier (bus/core ratio)	34		
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM		

Processor		Processor special features	
Memory clock speeds supported by processor	1333,1600 MHz	Intel FDI Technology	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Flex Memory Access	✓
ECC supported by processor	✗	Intel Fast Memory Access	✓
Memory		Intel Enhanced Halt State	✓
Internal memory *	8 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Processor package size	37.5 x 37.5 mm
Memory channels	Dual-channel	Supported instruction sets	AVX, SSE4.1, SSE4.2
Storage		CPU configuration (max)	1
Total storage capacity *	2 TB	Graphics & IMC lithography	22 nm
Optical drive type *	Blu-Ray DVD Combo	Thermal solution specification	PCG 2011D
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD capacity	2 TB	Intel Identity Protection Technology version	1.00
HDD interface	SATA	Intel Secure Key Technology version	1.00
HDD speed	7200 RPM	Intel Virtualization Technology (VT-x)	✓
Graphics		Intel TSX-NI version	0.00
On-board graphics card *	✓	Intel Dual Display Capable Technology	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 640	Intel Rapid Storage Technology	✗
Discrete graphics card memory	1 GB	Processor ARK ID	65719
Discrete graphics memory type	GDDR3	Intel® Turbo Boost Technology	2.0
On-board graphics card family	Intel® HD Graphics	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card model *	Intel® HD Graphics 4000	Intel® Quick Sync Video Technology	✓
On-board graphics card base frequency	650 MHz	Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card dynamic frequency (max)	1150 MHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Number of displays supported (on-board graphics)	3	Intel® Anti-Theft Technology (Intel® AT)	✓
On-board graphics card ID	0x162	Conflict-Free processor	✓
Network		Weight & dimensions	
Ethernet LAN *	✓	Weight *	12.9 kg
Wi-Fi *	✓	Packaging content	
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Keyboard included	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Display	
Bluetooth	✓	Display included *	✗
Bluetooth version	4.0	Other features	
Bluetooth Low Energy (BLE)	✓	Graphics card family	Intel, NVIDIA
Ports & interfaces			
Ethernet LAN (RJ-45) ports	1		
Microphone in	✓		

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