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

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor model *	i7-3770
Processor cores	4
Processor threads	8
Processor boost frequency	3.9 GHz
Processor frequency *	3.4 GHz
Processor socket	LGA 1155 (Socket H2)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus rate	5 GT/s
Bus type	DMI
FSB Parity	✘
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-3700 Desktop series
Processor codename	Ivy Bridge
Thermal Design Power (TDP)	77 W
Tcase	67.4 °C
Tjunction	105 °C
PCI Express slots version	3.0
PCI Express configurations	1x8, 1x16, 2x4, 2x8
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

Design

Chassis type *	Desktop
Product colour *	Black, White

Performance

Product type *	PC

Software

Operating system installed *	Windows 7 Professional

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Intel TSX-NI	✘
Idle States	✔
Thermal Monitoring Technologies	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Secure Key	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔

Processor

Memory clock speeds supported by processor	1333,1600 MHz
Memory bandwidth supported by processor (max)	25.6 GB/s
ECC supported by processor	✘

Memory

Internal memory *	8 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	2 TB
Optical drive type *	Blu-Ray DVD Combo
Number of HDDs installed	1
HDD capacity	2 TB
HDD interface	SATA
HDD speed	7200 RPM

Graphics

On-board graphics card *	✔
Discrete graphics card model *	NVIDIA® GeForce® GT 640
Discrete graphics card memory	1 GB
Discrete graphics memory type	GDDR3
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Number of displays supported (on-board graphics)	3
On-board graphics card ID	0x162

Network

Ethernet LAN *	✔
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
Bluetooth Low Energy (BLE)	✔

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
Microphone in	✔

Processor special features

Intel FDI Technology	✔
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
CPU configuration (max)	1
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2011D
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel TSX-NI version	0.00
Intel Dual Display Capable Technology	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	65719
Intel® Turbo Boost Technology	2.0
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Conflict-Free processor	✔

Weight & dimensions

Weight *	12.9 kg

Packaging content

Keyboard included	✔

Display

Display included *	✘

Other features

Graphics card family	Intel, NVIDIA

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