![DELL logo]

DELL OptiPlex 990 Intel® Core™ i7 i7-2600 4 GB DDR3-SDRAM 500 GB Windows 7 Professional Mini Tower PC Black

Brand : DELL
Product name : OptiPlex 990

Product code: P990-9004

OptiPlex 990 MT - Intel Core i7-2600 (8M Cache, 3.40 GHz), 4GB 1333MHz DDR3 SDRAM, 500GB 7200rpm SATA II HDD, DVD+/-RW, Gigabit Ethernet, Windows 7 Professional 64-bit
DELL OptiPlex 990. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor: i7-2600. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1333 MHz. Total storage capacity: 500 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 2000. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 265 W. Chassis type: Mini Tower. Product type: PC. Product colour: Black

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	2nd gen Intel® Core™ i7
Processor *	i7-2600
Processor number of cores	4
Processor threads	8
Processor boost frequency	3.8 GHz
Processor frequency *	3.4 GHz
Processor socket	LGA 1155 (Socket H2)
Processor cache	8 MB
Processor cache type	Smart Cache
System bus data transfer rate	5 GT/s
Bus type	DMI
FSB Parity	✘
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-2600 Desktop Series
Processor codename	Sandy Bridge
Thermal Design Power (TDP)	95 W
Tcase	72.6 °C
PCI Express slots version	2.0
Maximum number of PCI Express lanes	16
Number of processors installed	1
Stepping	D2
CPU multiplier (bus/core ratio)	34
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1066,1333 MHz
Memory bandwidth supported by processor (max)	21 GB/s
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Maximum internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory layout (slots x size)	2 x 2 GB
Memory slots	4x DIMM
Memory clock speed	1333 MHz
Memory channels	Dual-channel

Expansion Slots

PCI slots	1

Design

Chassis type *	Mini Tower
Number of 3.5" bays	2
Number of 5.25" bays	2
Cable lock slot	✔
Product colour *	Black

Performance

Motherboard chipset	Intel® Q67 Express
Password protection type	BIOS
Product type *	PC

Software

Operating system installed *	Windows 7 Professional
Operating system architecture	64-bit

Processor special features

Intel Wireless Display (WiDi) Technology	✘
Intel 64	✔
Enhanced Intel SpeedStep Technology	✔
Embedded options available	✔
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✘
Intel VT-x with Extended Page Tables (EPT)	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✔
Execute Disable Bit	✔
Intel FDI Technology	✔
Intel Flex Memory Access	✔
Intel Fast Memory Access	✔
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✘
Intel Clear Video Technology for MID	✘

Storage

Total storage capacity *	500 GB
Optical drive type *	DVD-RW
Number of hard drives installed	1
Hard drive capacity	500 GB
Hard drive interface	SATA, SATA II
Hard drive rotational speed	7200 RPM
Card reader integrated	✔

Graphics

On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 2000
On-board graphics card base frequency	850 MHz
On-board graphics card dynamic frequency (max)	1350 MHz
Number of displays supported (on-board graphics)	2
On-board graphics card ID	0x102

Network

Ethernet LAN connection *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	11
VGA (D-Sub) ports quantity	1
DVI port	✗
DisplayPorts quantity	1
PS/2 ports quantity	2
Ethernet LAN (RJ-45) ports quantity	1
Microphone in	✔
Headphone outputs	2
Line-out	✔
Line-in	✔
Serial ports quantity	1

Expansion Slots

PCI Express x1 slots	1
PCI Express x16 slots	2

Processor special features

Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX
Processor code	SR00B
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel Rapid Storage Technology	✗
Processor ARK ID	52213
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	✗

Energy Management

Power supply *	265 W

Certificates

Compliance certificates	RoHS
Certification	CECP, TCO 05, WEEE

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & Dimensions

Width *	175 mm
Depth *	417 mm
Height *	360 mm
Weight *	8.87 kg

Packaging Content

Mouse included	✗
Keyboard included	✗

Display

Display included *	✗

Other features

Security features	TPM
Networking features	Gigabit Ethernet
Graphics card family	Intel

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