



DELL OptiPlex 9020 Intel® Core™ i7 i7-4770 8 GB DDR3-SDRAM 1 TB HDD AMD Radeon HD 8570 Windows 7 Professional Mini Tower PC Black



Brand : DELL

Product family: OptiPlex

Product code:
CA09020W7P032-MT

Product name : 9020

Intel Core i7-4770 3.4GHz, 8GB DDR3, 1TB HDD SATA, Radeon HD 8570 1GB DDR3, DVD+/-RW, Gigabit Ethernet, Windows 7 Professional 64-bit + Windows 8.1 Pro Lic.

DELL OptiPlex 9020. Processor frequency: 3,4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-4770. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4600, Discrete graphics card model: AMD Radeon HD 8570. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 290 W. Product type: PC

Processor		Design	
Processor manufacturer *	Intel	Product colour *	Black
Processor family *	Intel® Core™ i7	Performance	
Processor generation	4th gen Intel® Core™ i7	Motherboard chipset	Intel® Q87
Processor model *	i7-4770	Product type *	PC
Processor cores	4	Software	
Processor threads	8	Operating system architecture	64-bit
Processor boost frequency	3,9 GHz	Recovery operating system	Windows 8.1 Pro
Processor frequency *	3,4 GHz	Operating system installed *	Windows 7 Professional
Processor socket	LGA 1150 (Socket H3)	Processor special features	
Processor cache	8 MB	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cache type	Smart Cache	Intel® Wireless Display (Intel® WiDi)	✓
System bus rate	5 GT/s	Intel 64	✓
Bus type	DMI2	Enhanced Intel SpeedStep Technology	✓
FSB Parity	✗	Embedded options available	✗
Processor lithography	22 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit	Intel® Insider™	✓
Processor series	Intel Core i7-4700 Desktop series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Haswell	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	84 W	Intel VT-x with Extended Page Tables (EPT)	✓
Tcase	72,72 °C	Intel TSX-NI	✗
PCI Express slots version	3.0	Idle States	✓
Maximum number of PCI Express lanes	16	Thermal Monitoring Technologies	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Stable Image Platform Program (SIPP)	✓
Number of processors installed	1	Intel® AES New Instructions (Intel® AES-NI)	✓
Number of QPI links	1	Intel® Secure Key	✓
Stepping	C0	Intel® OS Guard	✓
Maximum internal memory supported by processor	32 GB	Intel Trusted Execution Technology	✓
Memory types supported by processor	DDR3-SDRAM	Execute Disable Bit	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel FDI Technology	✓
Memory bandwidth supported by processor (max)	25,6 GB/s		
ECC supported by processor	✗		
Memory voltage supported by processor	1,5 V		

Memory		Processor special features	
Internal memory *	8 GB	Intel Flex Memory Access	✗
Maximum internal memory *	32 GB	Intel Fast Memory Access	✗
Internal memory type	DDR3-SDRAM	Intel® Smart Cache	✓
Memory slots	4x DIMM	Intel Enhanced Halt State	✓
Memory clock speed	1600 MHz	Intel Demand Based Switching	✗
Non-ECC	✓	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory channels	Dual-channel	Processor package size	37.5 x 37.5 mm
Storage		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Total storage capacity *	1 TB	Processor code	SR149
Storage media *	HDD	Scalability	15
Optical drive type *	DVD±RW	CPU configuration (max)	1
Number of storage drives installed	1	Graphics & IMC lithography	22 nm
Number of HDDs installed	1	Thermal solution specification	PCG 2013D
HDD capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD interface	SATA	Intel Identity Protection Technology version	1,00
HDD speed	7200 RPM	Intel Stable Image Platform Program (SIPP) version	1,00
HDD size	3.5"	Intel Secure Key Technology version	1,00
Graphics		Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Small Business Advantage (SBA) version	1,00
Discrete graphics card model *	AMD Radeon HD 8570	Intel TSX-NI version	0,00
Discrete graphics card memory	1 GB	Intel Dual Display Capable Technology	✗
Discrete graphics memory type	GDDR3	Intel Rapid Storage Technology	✗
Number of discrete graphics cards	1	Processor ARK ID	75122
On-board graphics card family	Intel® HD Graphics	Intel® Smart Response Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel® Rapid Start Technology	✗
On-board graphics card base frequency	350 MHz	Intel® Turbo Boost Technology	2.0
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Smart Connect Technology	✗
Maximum on-board graphics card memory	2 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Number of displays supported (on-board graphics)	3	Intel® Quick Sync Video Technology	✓
On-board graphics card DirectX version	11.2/12	Intel® My WiFi Technology (Intel® MWT)	✓
On-board graphics card OpenGL version	4.3	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card ID	0x412	Intel® Anti-Theft Technology (Intel® AT)	✓
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	Power supply *	290 W
Cabling technology	10/100/1000Base-T(X)	Sustainability	
Wi-Fi *	✗	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	6	Width *	175 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Depth *	417 mm
VGA (D-Sub) ports quantity	1	Height *	360 mm
DVI port	✗	Weight *	9,4 kg
DisplayPorts quantity	2	Packaging content	
PS/2 ports quantity	2	Mouse included	✓
Ethernet LAN (RJ-45) ports	1	Keyboard included	✓
Microphone in	✓	Display	
Headphone outputs	1	Display included *	✗
Expansion slots			
PCI Express x1 slots	1		
PCI Express x16 slots	2		
PCI slots	1		

Design		Other features	
Chassis type *	Mini Tower	Optical drives quantity	1
Water cooling system	×	Intel segment tagging	Enterprise, Small Business
Number of 3.5" bays	2		
Number of 5.25" bays	2		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.