



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



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