



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 Hitam



Brand : DELL

Product family: OptiPlex

Product code:
CAO9020W7P032-MT

Product name : 9020

DELL OptiPlex 9020. Frekuensi prosesor: 3,4 GHz, Keluarga prosesor: Intel® Core™ i7, Model prosesor: i7-4770. Memori internal: 8 GB, Tipe memori internal: DDR3-SDRAM, Kecepatan memori: 1600 MHz. Total kapasitas penyimpanan: 1 TB, Media penyimpanan: HDD, Tipe drive optikal: DVD±RW. Model adaptor grafis pada papan induk: Intel® HD Graphics 4600, Model adaptor grafis diskrit: AMD Radeon HD 8570. Sistem operasi yang terpasang: Windows 7 Professional, Arsitektur sistem operasi: 64-bit. Penyuplai daya: 290 W. Jenis produk: PC

Prosesor		Desain	
Produsen prosesor *	Intel	Sistem pendingin air	✗
Keluarga prosesor *	Intel® Core™ i7	Jumlah bay 3,5 inci	2
Generasi prosesor	Intel® Core™ i7 generasi ke-4	Jumlah bay 5,25 inci	2
Model prosesor *	i7-4770	Warna produk *	Hitam
Inti prosesor	4	Performa	
Thread prosesor	8	Chipset papan induk	Intel® Q87
Frekuensi pendorong prosesor	3,9 GHz	Jenis produk *	PC
Frekuensi prosesor *	3,4 GHz	Perangkat lunak	
Soket prosesor	LGA 1150 (Soket H3)	Arsitektur sistem operasi	64-bit
Cache prosesor	8 MB	Sistem operasi pemulihan	Windows 8.1 Pro
Tipe cache Prosesor	Smart Cache	Sistem operasi yang terpasang *	Windows 7 Professional
Kecepatan bus sistem	5 GT/dt	Fitur khusus prosesor	
Bus type	DMI2	Kelebihan Bisnis Kecil Intel® (Intel® SBA)	✗
Paritas FSB	✗	Intel® Wireless Display (Intel® WiDi)	✓
Litografi prosesor	22 nm	Intel® 64	✓
Modus pengoperasian prosesor	64-bit	Teknologi SpeedStep Intel® yang diperbaharui	✓
Seri Prosesor	Intel Core i7-4700 Desktop series	Pilihan Tertanam Tersedia	✗
Nama kode prosesor	Haswell	Teknologi Intel® InTru™ 3D	✓
Thermal Design Power (TDP)	84 W	Orang dalam Intel® (Intel® Insider™)	✓
Tcase	72,72 °C	Teknologi Intel® Clear Video HD (Intel® CVT HD)	✓
Versi slot PCI Express	3.0	Teknologi video Terang Intel®	✗
Jumlah maksimal jalur Ekspres PCI	16	Intel® VT-x dengan Tabel Halaman Ekstensi (EPT)	✓
Konfigurasi PCI Express	1x16, 2x8, 1x8+2x4	Intel® TSX-NI	✗
Jumlah prosesor yang terpasang	1	Keadaan Diam	✓
Jumlah link QPI	1	Teknologi Monitor Termal	✓
Pelangkahan	C0	Program Platform Gambar Stabil Intel® (SIPP)	✓
Memori internal maksimal yang didukung oleh prosesor	32 GB	Instruksi Baru AES Intel® (Intel® AES-NI)	✓
Jenis memori didukung oleh prosesor	DDR3-SDRAM	Intel® Secure Key	✓
Kecepatan jam memori didukung oleh prosesor	1333,1600 MHz	Intel® Penjaga OS	✓
Bandwith memori didukung oleh prosesor (maks)	25,6 GB/d		
EEC didukung oleh prosesor	✗		
Voltase memori didukung oleh prosesor	1,5 V		

Memori		Fitur khusus prosesor	
Memori internal *	8 GB	Teknologi Eksekusi Terpercaya Intel®	✓
Memori internal maksimal *	32 GB	Bit Nonaktif Eksekusi	✓
Tipe memori internal	DDR3-SDRAM	Teknologi Intel® FDI	✓
Slot memori	4x DIMM	Akses Memori Fleks Intel®	✗
Kecepatan memori	1600 MHz	Akses Memori Cepat Intel®	✗
Non-ECC	✓	Cache Pintar Intel®	✓
Kanal memori	Dual-channel	Intel® Enhanced Halt State	✓
media penyimpanan		Saklar Berbasis Permintaan Intel®	✗
Total kapasitas penyimpanan *	1 TB	Teknologi Video Jelas Intel® untuk MID (Intel® CVT for MID)	✗
Media penyimpanan *	HDD	Ukuran paket prosesor	37.5 x 37.5 mm
Tipe drive optikal *	DVD±RW	Set instruksi yang didukung	AVX 2.0, SSE4.1, SSE4.2
Sejumlah drive penyimpan terpasang	1	Kode prosesor	SR149
Jumlah hard drisk yang terpasang	1	Skalabilitas	1S
Kapasitas harddisk	1 TB	Konfigurasi CPU (maks)	1
Antarmuka harddisk	SATA	Litografi Graphics & IMC	22 nm
Kecepatan Hard drive	7200 RPM	Spesifikasi solusi termal	PCG 2013D
Ukuran harddisk	3.5"	Intel® Virtualization Technology untuk Directed I/O (VT-d)	✓
Grafik		Intel Identity Protection Technology version	1,00
Adaptor grafis pada papan induk *	✓	Versi Program Platform Gambar Stabil Intel® (SIPP)	1,00
Model adaptor grafis diskrit *	AMD Radeon HD 8570	Intel Secure Key Technology version	1,00
Memori adaptor grafik berlainan	1 GB	Teknologi Virtualisasi Intel® (VT-x)	✓
Tipe memori adaptor grafis diskrit	GDDR3	Versi Keuntungan Bisnis Kecil (SBA) Intel®	1,00
Jumlah adaptor grafis diskrit	1	Versi TSX-NI Intel®	0,00
Keluarga adaptor VGA internal	Intel® HD Graphics	Kemampuan teknologi Intel® Dual Display	✗
Model adaptor grafis pada papan induk *	Intel® HD Graphics 4600	Teknologi Intel® Rapid Storage	✗
Frekuensi basis adapter grafis on-board	350 MHz	ID ARK prosesor	75122
Frekuensi dinamis adapter grafis On-board (maks)	1200 MHz	Teknologi Intel® Smart Response	✗
Memori adaptor grafik di kendaraan maksimal	2 GB	Teknologi Intel® Rapid Start	✗
Jumlah layar yang didukung oleh adapter grafis tertanam	3	Teknologi Intel® Turbo Boost	2.0
Versi DirectX adaptor grafik di kendaraan	11.2/12	Teknologi Intel® Smart Connect	✗
Versi OpenGL adaptor grafik di kendaraan	4.3	Teknologi Intel® Hyper Threading (Intel® HT Technology)	✓
ID adaptor grafik di kendaraan	0x412	Teknologi Intel® Quick Sync Video	✓
Jaringan		Teknologi Intel® My WiFi (Intel® MWT)	✓
Ethernet LAN *	✓	Teknologi Intel® Identity Protection (Intel® IPT)	✓
Kecepatan data LAN ethernet	10,100,1000 Mbit/d	Teknologi Intel® Anti-Theft (Intel® AT)	✓
Teknologi pengkabelan	10/100/1000Base-T(X)	Prosesor tanpa gangguan	✓
Wi-Fi *	✗		
Port & antarmuka		Daya	
Jumlah soket USB 2.0 *	6	Penyuplai daya *	290 W
Kuantitas port Tipe A USB 3.2 Gen 1 (3.1 Gen 1) *	4	Kelestarian lingkungan	
Jumlah soket VGA (D-Sub)	1	Sertifikat keberlanjutan	EPEAT Gold, ENERGY STAR
Soket DVI	✗	Berat dan dimensi	
Jumlah DisplayPort	2	Panjang *	175 mm
Jumlah port PS/2	2	Lebar *	417 mm
Soket LAN ethernet (RJ-45)	1	Tinggi *	360 mm
Mikrofon masuk	✓	Berat *	9,4 kg
Suara dari Headphone	1	Isi kemasan	
Slot ekspansi		Mouse disertakan	✓
Slot PCI Express x1	1	Dilengkapi keyboard	✓
Slot PCI Express x16	2		

Slot ekspansi		Layar	
Slot PCI	1	Tampilan disertakan *	✗
Desain		Fitur lainnya	
Tipe sasis *	Mini Tower	Kuantitas drive optikal	1
		Penanda segmen Intel®	Perusahaan, Usaha Kecil

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