



DELL OptiPlex 7020 SFF Intel® Core™ i5 i5-4590 8 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional PC Hitam

Brand : DELL

Product family: OptiPlex

Product code: 462-5902

Product name : 7020 SFF

DELL OptiPlex 7020 SFF. Frekuensi pemproses: 3,3 GHz, Keluarga pemproses: Intel® Core™ i5, Model pemproses: i5-4590. Memori dalaman: 8 GB, Jenis memori dalaman: DDR3-SDRAM, Kelajuan jam memori: 1600 MHz. Kapasiti keseluruhan storan: 500 GB, Media simpanan: HDD, Jenis pemacu gentian kaca: DVD-RW. Model penyesuai grafik papan ibu: Intel® HD Graphics 4600. Sistem operasi yang dipasang: Windows 7 Professional, Seni bina sistem operasi: 64-bit. Bekalan Kuasa: 255 W. Jenis casis: SFF. Jenis produk: PC



Pemproses		Perisian	
Pengilang pemproses *	Intel	Seni bina sistem operasi	64-bit
Keluarga pemproses *	Intel® Core™ i5	Sistem operasi yang dipasang *	Windows 7 Professional
Generasi pemproses	4th gen Intel® Core™ i5	Ciri khas pemproses	
Model pemproses *	i5-4590	Kelebihan Perniagaan Kecil Intel® (Intel® SBA)	✗
Teras pemproses	4	Intel® Wireless Display (Intel® WiDi)	✓
Benang pemproses	4	Intel 64	✓
Frekuensi peningkatan pemproses	3,7 GHz	Teknologi SpeedStep Intel yang telah dipertingkat	✓
Frekuensi pemproses *	3,3 GHz	Opsyen Tertanam tersedia	✗
Soket pemproses	LGA 1150 (Socket H3)	Teknologi Intel® InTru™ 3D	✓
Pemproses cache	6 MB	Intel® Insider™	✓
Processor cache type	L3	Teknologi Video Jernih HD Intel® (Intel® CVT HD)	✓
Kadar sistem bus	5 GT/s	Teknologi Video Jelas Intel	✗
Bus type	DMI2	Intel VT-x dengan Jadual Halaman yang Dipanjangkan (EPT)	✓
FSB Kesamarataan	✗	Intel® TSX-NI	✗
Pemproses litografi	22 nm	Keadaan terbiar	✓
Mod pengoperasian pemproses	64-bit	Teknologi Pemantauan Termal	✓
Siri pemproses	Intel Core i5-4500 Desktop Series	Intel Platform Program Imeg stabil (SIPP)	✓
Pemproses nama kod	Haswell	Intel® AES Arahan Baharu (Intel® AES-NI)	✓
Thermal Design Power (TDP)	84 W	Intel® Secure Key	✓
Tcase	72,72 °C	Intel® Pengawal OS	✓
Versi slot PCI Express	3.0	Teknologi Intel Pelaksanaan yang Dipercayai	✓
Jumlah maksimum jalur PCI Ekspres	16		
Konfigurasi PCI Express	1x16, 2x8, 1x8+2x4		
Jumlah pemproses yang dipasang	1		
Melangkah	C0		
Memori dalaman maksimum yang disokong oleh pemproses	32 GB		
Jenis memori yang disokong oleh pemproses	DDR3-SDRAM		

Pemproses		Ciri khas pemproses	
Kelajuan jam memori disokong oleh pemproses	1333,1600 MHz	Laksanakan Bit nyahdaya	✓
Lebar jalur memori yang disokong oleh pemproses (maks)	25,6 GB/s	Teknologi Intel FDI	✓
Disokong ECC oleh pemproses	✗	Akses Memori Fleks Intel	✗
Memori		Akses Memori Laju Intel	✗
Memori dalaman *	8 GB	Intel® Cache Bijak	✓
Memori dalaman maksimum *	16 GB	Intel Keadaan Terhenti yang Dipertingkatkan	✓
Jenis memori dalaman	DDR3-SDRAM	Intel Pertukaran Berdasarkan Permintaan	✗
Slot memori	4x DIMM	Intel® Teknologi video jernih untuk Peranti Internet Mudah Alih (Intel CVT untuk MID)	✗
Kelajuan jam memori	1600 MHz	Processor package size	37.5 x 37.5 mm
Non-ECC	✓	Set arahan disokong	AVX 2.0, SSE4.1, SSE4.2
Saluran memori	Dwi saluran	Kod pemproses	SR1QJ
Storan		Skalibiti	15
Kapasiti keseluruhan storan *	500 GB	CPU konfigurasi (maks)	1
Media simpanan *	HDD	Litografi Grafik &IMC	22 nm
Jenis pemacu gentian kaca *	DVD-RW	Spesifikasi penyelesaian termal	PCG 2013D
Jumla HDD yang dipasang	1	Teknologi Kemayaan Intel untuk I/O (VT-d) terarah	✓
Kapasiti HDD	500 GB	Intel Identity Protection Technology version	1,00
Antara muka HDD	SATA	Intel Versi Program Platform Imej Stabil (SIPP)	1,00
Grafik		Intel Secure Key Technology version	1,00
Penyesuai grafik atas papan *	✓	Teknologi Kemayaan Intel (VT-x)	✓
Keluarga penyesuai grafik pada papan	Intel® HD Graphics	Intel Small Business Advantage (SBA) version	1,00
Model penyesuai grafik papan ibu *	Intel® HD Graphics 4600	Intel versi TSX-NI	0,00
Frekuensi grafik asas penyesuai atas papan	350 MHz	Teknologi Intel Kemampuan Dwi Paparan	✗
Frekuensi dinamik (maks) penyesuai atas papan grafik	1150 MHz	Teknologi Simpanan Pesat Intel	✗
Memori penyesuai grafik atas papan maksimum	2 GB	Pemproses ARK ID	80815
Jumlah paparan yang disokong (grafik atas papan)	3	Teknologi Intel® Smart Response	✗
Versi DirectX penyesuai grafik atas papan	11.1	Teknologi Intel® Rapid Start	✗
Penyesuai grafik ID atas papan	0x412	Teknologi Intel® Turbo Boost	2.0
Rangkaian		Teknologi Intel Smart Connect	✗
Ethernet LAN *	✓	Teknologi Intel® Hyper Threading (Teknologi Intel® HT)	✗
Kadar data LAN ethernet	10,100,1000 Mbit/s	Teknologi Video Intel® Laju Segera	✓
Teknologi perkabelan	10/100/1000Base-T(X)	Teknologi Intel® My WiFi (Intel® MWT)	✓
Port & antara muka		Teknologi Intel® Identity Protection (Intel® IPT)	✓
Kuantiti port USB 2.0 *	6	Teknologi Intel® Anti-Theft (Intel® AT)	✓
Kuantiti port Jenis A USB 3.2 Gen 1 (3.1 Gen 1) *	4	Pemproses bebas konflik	✓
Kuantiti port VGA (Sub-D)	1	Kuasa	
Port DVI	✗	Bekalan Kuasa *	255 W
Kuantiti DisplayPorts	2	Sijil	
Kuantiti port PS/2	2	Pensijilan pematuhan	RoHS
Port LAN Ethernet (RJ-45)	1	Kelestarian	
Mikrofon masuk	✓	Sustainability certificates	BINTANG TENAGA
Output fon kepala	1	Berat & dimensi	
Line-out	✓	Lebar *	93 mm
Line-in	✓	Kedalaman *	312 mm
DC-in jack	✓	Tinggi *	290 mm
Kuantiti port bersiri	1	Berat *	6 kg
Slot pengembangan			
Slot PCI Express x 16	2		

Reka bentuk		Kandungan pembungkusan	
Jenis casis *	SFF	Tetikus disertakan	✗
Penempatan disokong	Mendatar/Tegak	Papan kekunci disertakan	✗
Sistem penyejuk air	✗	Paparan	
Jumlah petak 3.5"	1	Termasuk paparan *	✗
Jumlah petak 5.25"	1	Ciri-ciri lain	
Product color *	Hitam	Optical drives quantity	1
Prestasi		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Cipset papan ibu	Intel® Q87	Intel segment tagging	Enterprise, Small Business
Perlindungan kata laluan	✓		
Jenis perlindungan kata laluan	BIOS		
Jenis produk *	PC		

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