



DELL OptiPlex 7020 MT Intel® Core™ i5 i5-4590 4 GB DDR3-SDRAM 500 GB HDD Ubuntu Linux Mini Tower PC Black, Gray

Brand : DELL

Product family: OptiPlex

Article code: 7020-9516

Product name : 7020 MT

Intel Q87, Intel Core i5-4590, 4GB DDR3 1600MHz, 500GB (7200RPM) SATA, DVD-RW, Gigabit Ethernet, 9.4kg, Ubuntu

DELL OptiPlex 7020 MT. Processor frequency: 3.3 GHz, Processor family: Intel® Core™ i5, Processor model: i5-4590. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 4600. Operating system installed: Ubuntu Linux, Operating system architecture: 64-bit. Power supply: 290 W. Chassis type: Mini Tower. Product type: PC



Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i5	Operating system installed *	Ubuntu Linux
Processor generation	4th gen Intel® Core™ i5	Processor special features	
Processor model *	i5-4590	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cores	4	Intel® Wireless Display (Intel® WiDi)	✓
Processor threads	4	Intel 64	✓
Processor boost frequency	3.7 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	3.3 GHz	Embedded options available	✗
Processor socket	LGA 1150 (Socket H3)	Intel® InTru™ 3D Technology	✓
Processor cache	6 MB	Intel® Insider™	✓
Processor cache type	L3	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
System bus rate	5 GT/s	Intel Clear Video Technology	✗
Bus type	DMI2	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗	Intel TSX-NI	✗
Processor lithography	22 nm	Idle States	✓
Processor operating modes	64-bit	Thermal Monitoring Technologies	✓
Processor series	Intel Core i5-4500 Desktop Series	Intel Stable Image Platform Program (SIPP)	✓
Processor codename	Haswell	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	84 W	Intel® Secure Key	✓
Tcase	72.72 °C		
PCI Express slots version	3.0		
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	1		
Stepping	C0		

Processor		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel® OS Guard	✓
Memory types supported by processor	DDR3-SDRAM	Intel Trusted Execution Technology	✓
Memory clock speeds supported by processor	1333,1600 MHz	Execute Disable Bit	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel FDI Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✗
Memory		Intel Fast Memory Access	✗
		Intel® Smart Cache	✓
		Intel Enhanced Halt State	✓
		Intel Demand Based Switching	✗
		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
		Processor package size	37.5 x 37.5 mm
		Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR1QJ
		Scalability	1S
		CPU configuration (max)	1
		Graphics & IMC lithography	22 nm
		Thermal solution specification	PCG 2013D
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		Intel Identity Protection Technology version	1.00
Graphics		Intel Stable Image Platform Program (SIPP) version	1.00
		Intel Secure Key Technology version	1.00
		Intel Virtualization Technology (VT-x)	✓
		Intel Small Business Advantage (SBA) version	1.00
		Intel TSX-NI version	0.00
		Intel Dual Display Capable Technology	✗
		Intel Rapid Storage Technology	✗
Network		Processor ARK ID	80815
		Intel® Smart Response Technology	✗
		Intel® Rapid Start Technology	✗
		Intel® Turbo Boost Technology	2.0
		Intel Smart Connect Technology	✗
		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
		Intel® Quick Sync Video Technology	✓
Ports & interfaces		Intel® My WiFi Technology (Intel® MWT)	✓
		Intel® Identity Protection Technology (Intel® IPT)	✓
		Intel® Anti-Theft Technology (Intel® AT)	✓
		Conflict-Free processor	✓
		Power	
		Power supply *	290 W
		Weight & dimensions	
		Width *	6.89" (175 mm)
		Depth *	16.4" (417 mm)
		Height *	14.2" (360 mm)
		Weight *	20.7 lbs (9.4 kg)
		Packaging content	
		Mouse included	✓
		Keyboard included	✓

Ports & interfaces		Packaging content	
S/PDIF out port	✗	Numeric keypad	✗
DC-in jack	✗	Cables included	AC
SmartCard slot	✗	AC adapter included	✗
Serial ports quantity	1	Display	
Expansion slots		Display included *	✗
PCI Express x1 slots	1	Other features	
PCI Express x16 slots	2	Optical drives quantity	1
Design		Windows keys	✗
Chassis type *	Mini Tower	LightScribe	✗
Placement supported	Vertical	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Water cooling system	✗	Intel segment tagging	Enterprise, Small Business
Number of 3.5" bays	2		
Number of 5.25" bays	2		
Cable lock slot	✓		
Product color *	Black, Gray		
Performance			
Motherboard chipset	Intel® Q87		
Product type *	PC		



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