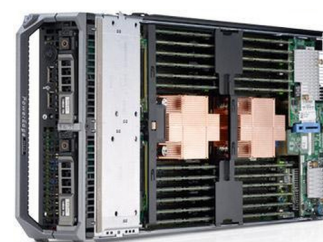




DELL PowerEdge M620 server 146 GB Blade Intel® Xeon® E5 Family E5-2603 1.8 GHz 2 GB DDR3-SDRAM



Brand : DELL

Product family: PowerEdge

Product code: PEM620

Product name : M620

DELL PowerEdge M620. Processor family: Intel® Xeon® E5 Family, Processor frequency: 1.8 GHz, Processor model: E5-2603. Internal memory: 2 GB, Internal memory type: DDR3-SDRAM, Memory layout (slots x size): 1 x 2 GB. Total storage capacity: 146 GB, HDD size: 2.5", HDD interface: Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Chassis type: Blade

Processor		Graphics	
Processor manufacturer *	Intel	On-board graphics card	✓
Processor family *	Intel® Xeon® E5 Family	Network	
Processor model *	E5-2603	Networking features	10 Gigabit Ethernet
Processor frequency *	1.8 GHz	Ethernet LAN	✓
Processor cores	4	Cabling technology	10/100/1000Base-T(X)
Processor cache	10 MB	Ports & interfaces	
Motherboard chipset	Intel C600	Ethernet LAN (RJ-45) ports *	2
Memory channels supported by processor	Quad	Expansion slots	
Number of processors installed	1	PCI Express slots version	3.0
Thermal Design Power (TDP)	80 W	Design	
Processor cache type	Smart Cache	Chassis type *	Blade
System bus rate	6.4 GT/s	Processor special features	
Processor socket	LGA 2011 (Socket R)	CPU configuration (max)	2
Processor lithography	32 nm	Intel Rapid Storage Technology	✗
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor operating modes	64-bit	Intel® Identity Protection Technology (Intel® IPT)	✗
Stepping	M1	Intel® Wireless Display (Intel® WiDi)	✗
FSB Parity	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	QPI	Intel® Anti-Theft Technology (Intel® AT)	✗
Number of QPI links	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor codename	Sandy Bridge EP	Intel® My WiFi Technology (Intel® MWT)	✗
Tcase	70 °C	Intel® Turbo Boost Technology	✗
Maximum internal memory supported by processor	750 GB	Intel® Quick Sync Video Technology	✗
Memory types supported by processor	DDR3-SDRAM	Intel® InTru™ 3D Technology	✗
Memory clock speeds supported by processor	800,1066 MHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel® Insider™	✗
ECC supported by processor	✓	Intel Flex Memory Access	✗
Execute Disable Bit	✓	Intel® AES New Instructions (Intel® AES-NI)	✓
Idle States	✓	Intel Trusted Execution Technology	✓
Thermal Monitoring Technologies	✓	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	40	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	x4, x8, x16		
Processor package size	52.5 x 45.0 mm		
Supported instruction sets	AVX		
Scalability	2S		
Physical Address Extension (PAE)	46 bit		
Embedded options available	✗		

Processor		Processor special features	
Graphics & IMC lithography	32 nm	Intel Demand Based Switching	✓
CPU multiplier (bus/core ratio)	18	Intel® Secure Key	✓
Processor series	Intel Xeon E5-2600	Intel Clear Video Technology	✗
Conflict-Free processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory		Intel 64	✓
Internal memory *	2 GB	Intel Identity Protection Technology version	0.00
Internal memory type *	DDR3-SDRAM	Intel Secure Key Technology version	1.00
Memory slots	24x DIMM	Intel Virtualization Technology (VT-x)	✓
Memory clock speed	1333 MHz	Intel TSX-NI version	0.00
Memory layout (slots x size)	1 x 2 GB	Intel Dual Display Capable Technology	✗
Maximum internal memory *	768 GB	Intel FDI Technology	✗
Storage		Intel Fast Memory Access	✗
Total storage capacity *	146 GB	Processor ARK ID	64592
Number of HDDs installed	1	Other features	
HDD capacity	146 GB	Flash memory	8192 MB
HDD interface	Serial Attached SCSI (SAS)	Graphics card	G200
HDD speed	15000 RPM	Graphics card family	Matrox
HDD size	2.5"		
RAID support *	✗		
Hot-swap	✗		
Optical drive type *	✗		

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