



DELL PowerEdge R320 server 500 GB Rack (1U) Intel® Xeon® E5 Family E5-2407 2.2 GHz 4 GB DDR3-SDRAM 350 W



Brand : DELL

Product family: PowerEdge

Article code: R320-2327

Product name : R320

Intel Xeon E5-2407 (10M Cache, 2.20 GHz, 6.40 GT/s Intel QPI), 4GB DDR3, 500GB HDD, 4 x 3.5", DVD-RW, PERC H310, iDRAC Express, Matrox G200eV, Gigabit Ethernet, Rack 1U, 350 W
DELL PowerEdge R320. Processor family: Intel® Xeon® E5 Family, Processor frequency: 2.2 GHz, Processor model: E5-2407. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, HDD size: 3.5", HDD interface: Serial ATA. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Optical drive type: DVD-RW. Power supply: 350 W. Chassis type: Rack (1U)

Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x8 slots	1
Processor family *	Intel® Xeon® E5 Family	PCI Express x16 slots	1
Processor model *	E5-2407	PCI Express slots version	3.0
Processor frequency *	2.2 GHz	Design	
Processor cores	4	Chassis type *	Rack (1U)
Processor cache	10 MB	Software	
Motherboard chipset	Intel® C602	Compatible operating systems *	Windows Server 2012 Windows Server 2012 Essentials Windows Server 2008 R2 SP1 (64-bit) Novell SUSE LinuxEnterprise Server Red Hat Enterprise Linux Citrix XenServer VMware vSphere ESXi Red Hat Enterprise Virtualization
Memory channels supported by processor	Triple		
Number of processors installed	1		
Thermal Design Power (TDP)	80 W		
Processor cache type	Smart Cache		
System bus rate	6.4 GT/s	Processor special features	
Maximum number of SMP processors	1	CPU configuration (max)	2
Compatible processor series	Intel® Pentium®	Intel Rapid Storage Technology	✗
Processor socket	LGA 1356 (Socket B2)	Enhanced Intel SpeedStep Technology	✓
Processor lithography	32 nm	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor threads	4	Intel® Wireless Display (Intel® WiDi)	✗
Processor operating modes	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	M1	Intel® Anti-Theft Technology (Intel® AT)	✗
FSB Parity	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Bus type	QPI	Intel® My WiFi Technology (Intel® MWT)	✗
Number of QPI links	1	Intel® Turbo Boost Technology	✗
Processor codename	Sandy Bridge EN	Intel® Quick Sync Video Technology	✗
Maximum internal memory supported by processor	375 GB	Intel® InTru™ 3D Technology	✗
Memory types supported by processor	DDR3-SDRAM	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory clock speeds supported by processor	800,1066 MHz	Intel® Insider™	✗
Memory bandwidth supported by processor (max)	25 GB/s	Intel Flex Memory Access	✗
ECC supported by processor	✓	Intel® Smart Cache	✓
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	24		
Processor package size	45 x 42.5 mm		
Supported instruction sets	AVX		
Processor code	SR0LR		

Processor		Processor special features	
Scalability	25	Intel VT-x with Extended Page Tables (EPT)	✓
Embedded options available	✗	Intel Demand Based Switching	✓
Processor series	Intel Xeon E5-2400	Intel Clear Video Technology	✗
Conflict-Free processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory		Intel 64	✓
Internal memory *	4 GB	Intel Identity Protection Technology version	0.00
Internal memory type *	DDR3-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory slots	6x DIMM	Intel Dual Display Capable Technology	✗
Memory clock speed	1600 MHz	Intel FDI Technology	✗
Maximum internal memory *	192 GB	Intel Fast Memory Access	✗
Storage		Processor ARK ID	64614
Maximum storage capacity *	16 TB	Power	
Total storage capacity *	500 GB	Redundant power supply (RPS) support *	✗
Number of HDDs installed	1	Power supply *	350 W
HDD capacity	500 GB	Number of main power supplies	1
HDD interface	Serial ATA	Weight & dimensions	
HDD speed	7200 RPM	Width	17.1" (434 mm)
HDD size	3.5"	Depth	23.9" (607 mm)
Number of HDDs supported	4	Height	1.69" (42.8 mm)
Supported HDD sizes	3.5"	Weight	42.5 lbs (19.3 kg)
RAID support *	✓	Other features	
Optical drive type *	DVD-RW	Graphics card	G200eV
Graphics		Graphics card family	Matrox
Maximum graphics card memory	16 MB	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Network		Dell E-Value Code	dsper320
Wake-on-LAN ready	✓		
Ethernet LAN	✓		
Cabling technology	10/100/1000Base-T(X)		
Ethernet interface type	Gigabit Ethernet		
Ports & interfaces			
Ethernet LAN (RJ-45) ports *	2		



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