



DELL PowerEdge R420 server 0 GB Rack (1U) Intel® Xeon® E5 V2 Family E5-2407V2 2,4 GHz 8 GB DDR3-SDRAM 550 W

Brand : DELL

Product family: PowerEdge

Product code: R420-1649

Product name : R420

Intel Xeon E5-2407 v2 2.4 GHz, 8GB DDR3 RAM, 4 x 3.5" Hot Plug, DVD-ROM, Gigabit Ethernet, 550W, 1U

DELL PowerEdge R420. Processor family: Intel® Xeon® E5 V2 Family, Processor frequency: 2,4 GHz, Processor model: E5-2407V2. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 0 GB. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Optical drive type: DVD-ROM. Power supply: 550 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x8 (Gen 2.x) slots	1
Processor family *	Intel® Xeon® E5 V2 Family	PCI Express x16 (Gen 3.x) slots	1
Processor model *	E5-2407V2	PCI Express slots version	3.0
Processor frequency *	2,4 GHz	Design	
Processor boost frequency	2,4 GHz		
Processor cores	4	Chassis type *	Rack (1U)
Processor cache	10 MB	Rack mounting	✓
Motherboard chipset	Intel C600	Performance	
Memory channels supported by processor	Triple		
Number of processors installed	1	Trusted Platform Module (TPM)	✓
Thermal Design Power (TDP)	80 W	Software	
Processor cache type	Smart Cache		
System bus rate	6,4 GT/s	Operating system installed *	✗
Maximum number of SMP processors	2	Compatible operating systems *	Windows Server 2012 Windows Server 2008 R2 SP1 (64-bit) Windows Small Business Server 2011 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux
Processor socket	LGA 1356 (Socket B2)	Processor special features	
Processor lithography	22 nm		
Processor threads	4		
Processor operating modes	64-bit		
Stepping	S1		
FSB Parity	✗		
Bus type	QPI		
Number of QPI links	1		
Processor codename	Ivy Bridge EN		
Tcase	76 °C		
Maximum internal memory supported by processor	384 GB		
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	800,1066,1333 MHz		
Memory bandwidth supported by processor (max)	32 GB/s		
ECC supported by processor	✓		
		CPU configuration (max)	2
		Intel Rapid Storage Technology	✗
		Enhanced Intel SpeedStep Technology	✓
		Intel® Identity Protection Technology (Intel® IPT)	✗
		Intel® Wireless Display (Intel® WiDi)	✗
		Intel Virtualization Technology for Directed I/O (VT-d)	✓
		Intel® Anti-Theft Technology (Intel® AT)	✗
		Intel® Hyper Threading Technology (Intel® HT Technology)	✗
		Intel® My WiFi Technology (Intel® MWT)	✗
		Intel® Turbo Boost Technology	✗
		Intel® Quick Sync Video Technology	✗

Processor		Processor special features	
Execute Disable Bit	✓	Intel® InTru™ 3D Technology	✗
Idle States	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Thermal Monitoring Technologies	✓	Intel® Insider™	✗
Maximum number of PCI Express lanes	24	Intel Flex Memory Access	✗
PCI Express configurations	x4, x8, x16	Intel® Smart Cache	✓
Processor package size	45 x 42.5 mm	Intel® AES New Instructions (Intel® AES-NI)	✓
Supported instruction sets	AVX	Intel Trusted Execution Technology	✓
Processor code	SR1AK	Intel Enhanced Halt State	✓
Scalability	25	Intel VT-x with Extended Page Tables (EPT)	✓
Physical Address Extension (PAE)	✓	Intel Demand Based Switching	✓
Physical Address Extension (PAE)	46 bit	Intel® Secure Key	✓
Embedded options available	✗	Intel TSX-NI	✗
Processor series	Intel Xeon E5-2400 v2	Intel® OS Guard	✓
Conflict-Free processor	✗	Intel Clear Video Technology	✗
Intelligent Platform Management Interface (IPMI) support	✓	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory		Intel 64	✓
Internal memory *	8 GB	Intel Identity Protection Technology version	0,00
Internal memory type *	DDR3-SDRAM	Intel Secure Key Technology version	1,00
Memory slots	12x DIMM	Intel Virtualization Technology (VT-x)	✓
Memory clock speed	1600 MHz	Intel TSX-NI version	0,00
Maximum internal memory *	384 GB	Intel Dual Display Capable Technology	✗
Storage		Intel FDI Technology	✗
Maximum storage capacity *	16 TB	Intel Fast Memory Access	✗
Total storage capacity *	0 GB	Processor ARK ID	75782
Number of hard drives supported	4	Power	
Supported HDD sizes	3.5"	Redundant power supply (RPS) support *	✓
RAID support *	✓	Power supply *	550 W
Hot-Plug support	✓	Sustainability	
Optical drive type *	DVD-ROM	Sustainability certificates	ENERGY STAR
Internal drive bays	4 x 3.5"	Other features	
Network		Display	LCD
LAN controller	Broadcom 5720	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
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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