



DELL PowerEdge R210 II server 292 GB Rack Intel® Xeon® E3 Family E3-1230 3.2 GHz 8 GB DDR3-SDRAM 250 W

Brand : DELL

Product code: R210II-E111

Product name : PowerEdge R210 II

PowerEdge R210 II - Intel Xeon E3-1230 (3.20 GHz), 8GB (4x 2GB) DDR3 1333MHz, 2x 146GB SAS 2.5" 10k RPM, Gigabit Ethernet, Matrox G200eW 16MB, PERC H200, DVD-RW, 250W

DELL PowerEdge R210 II. Processor family: Intel® Xeon® E3 Family, Processor frequency: 3.2 GHz, Processor model: E3-1230. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM, Memory layout (slots x size): 4 x 2 GB. Total storage capacity: 292 GB, HDD size: 2.5", HDD interface: Serial Attached SCSI (SAS). Ethernet LAN. Optical drive type: DVD-RW. Power supply: 250 W. Chassis type: Rack



Processor		Ports & interfaces	
Processor manufacturer *	Intel	VGA (D-Sub) ports quantity	1
Processor family *	Intel® Xeon® E3 Family	Serial ports quantity	1
Processor model *	E3-1230	Expansion slots	
Processor frequency *	3.2 GHz	PCI Express slots version	2.0
Processor boost frequency	3.6 GHz	Design	
Processor cores	4	Chassis type *	Rack
Processor cache	8 MB	Software	
Motherboard chipset	Intel® C202	Compatible operating systems *	Windows Small Business Server
Memory channels supported by processor	Dual		2011 Windows Small Business Server 2008 Microsoft Windows Server 2008 R2 Foundation SP1
Number of processors installed	1	Processor special features	Windows Server 2008 SP2, x86/x64 (x64 includes Hyper-V) Windows Server 2008 R2 SP1, x64 (includes Hyper-V v2) Windows HPC Server 2008 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux
Thermal Design Power (TDP)	80 W		
Processor cache type	Smart Cache		
System bus rate	5 GT/s		
Compatible processor series	Intel® Xeon®		
Processor socket	LGA 1155 (Socket H2)		
Processor lithography	32 nm		
Processor threads	8		
Processor operating modes	64-bit		
Stepping	D2		
FSB Parity	✗	CPU configuration (max)	1
Bus type	DMI	Intel Rapid Storage Technology	✗
Processor codename	Sandy Bridge	Enhanced Intel SpeedStep Technology	✓
Tcase	69.1 °C	Intel® Identity Protection Technology (Intel® IPT)	✓
Maximum internal memory supported by processor	32 GB	Intel® Wireless Display (Intel® WiDi)	✗
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	1066,1333 MHz	Intel® Anti-Theft Technology (Intel® AT)	✗
Memory bandwidth supported by processor (max)	21 GB/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
ECC supported by processor	✓	Intel® My WiFi Technology (Intel® MWT)	✗
Execute Disable Bit	✓	Intel® Turbo Boost Technology	2.0
Idle States	✓	Intel® Quick Sync Video Technology	✗
Thermal Monitoring Technologies	✓	Intel® InTru™ 3D Technology	✗
Maximum number of PCI Express lanes	20	Intel® Clear Video HD Technology (Intel® CVT HD)	✗

Processor		Processor special features	
Processor package size	37.5 x 37.5 mm	Intel® Insider™	✗
Supported instruction sets	AVX, SSE4.1, SSE4.2	Intel Flex Memory Access	✓
Processor code	SR00H	Intel® Smart Cache	✓
Embedded options available	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
CPU multiplier (bus/core ratio)	32	Intel Trusted Execution Technology	✓
Processor series	Intel Xeon E3-1200	Intel Enhanced Halt State	✓
Conflict-Free processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✓
Internal memory *	8 GB	Intel Clear Video Technology	✗
Internal memory type *	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	4x DIMM	Intel 64	✓
ECC	✓	Intel Identity Protection Technology version	1.00
Memory clock speed	1333 MHz	Intel Virtualization Technology (VT-x)	✓
Memory layout (slots x size)	4 x 2 GB	Intel Dual Display Capable Technology	✗
Maximum internal memory *	32 GB	Intel FDI Technology	✗
Storage		Intel Fast Memory Access	✓
Total storage capacity *	292 GB	Processor ARK ID	52271
Number of HDDs installed	2	Power	
HDD capacity	146 GB	Number of power supply units	1
HDD interface	Serial Attached SCSI (SAS)	Power supply *	250 W
HDD speed	10000 RPM	Certificates	
HDD size	2.5"	Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Number of HDDs supported	4	Weight & dimensions	
RAID support *	✓	Width	434 mm
Hot-swap	✓	Depth	394.3 mm
Optical drive type *	DVD-RW	Height	42.4 mm
Graphics		Other features	
Maximum graphics card memory	16 MB	I/O ports	eSATA
Network		Disk array controller	PERC H200
Networking features	Gigabit Ethernet	Mac compatibility	✗
LAN controller	Broadcom BCM5716	Graphics card	G200eW
Ethernet LAN	✓	Graphics card family	Matrox
Ports & interfaces			
Ethernet LAN (RJ-45) ports *	2		
USB 2.0 ports quantity	2		

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