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

Processor manufacturer *	Intel
Processor family *	Intel® Xeon® E3 Family
Processor model *	E3-1230
Processor frequency *	3.2 GHz
Processor boost frequency	3.6 GHz
Processor cores	4
Processor cache	8 MB
Motherboard chipset	Intel® C202
Memory channels supported by processor	Dual
Number of processors installed	1
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	✗
Bus type	DMI
Processor codename	Sandy Bridge
Tcase	69.1 °C
Maximum internal memory supported by processor	32 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	1066,1333 MHz
Memory bandwidth supported by processor (max)	21 GB/s
ECC supported by processor	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Maximum number of PCI Express lanes	20

Ports & interfaces

VGA (D-Sub) ports quantity	1
Serial ports quantity	1

Expansion slots

PCI Express slots version	2.0

Design

Chassis type *	Rack

Software

Compatible operating systems *	Windows Small Business Server 2011 Windows Small Business Server 2008 Microsoft Windows Server 2008 R2 Foundation SP1 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

Processor special features

CPU configuration (max)	1
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	2.0
Intel® Quick Sync Video Technology	✗
Intel® InTru™ 3D Technology	✗
Intel® Clear Video HD Technology (Intel® CVT HD)	✗

Processor

Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX, SSE4.1, SSE4.2
Processor code	SR00H
Embedded options available	✘
CPU multiplier (bus/core ratio)	32
Processor series	Intel Xeon E3-1200
Conflict-Free processor	✘

Memory

Internal memory *	8 GB
Internal memory type *	DDR3-SDRAM
Memory slots	4x DIMM
ECC	✔
Memory clock speed	1333 MHz
Memory layout (slots x size)	4 x 2 GB
Maximum internal memory *	32 GB

Storage

Total storage capacity *	292 GB
Number of HDDs installed	2
HDD capacity	146 GB
HDD interface	Serial Attached SCSI (SAS)
HDD speed	10000 RPM
HDD size	2.5"
Number of HDDs supported	4
RAID support *	✔
Hot-swap	✔
Optical drive type *	DVD-RW

Graphics

Maximum graphics card memory	16 MB

Network

Networking features	Gigabit Ethernet
LAN controller	Broadcom BCM5716
Ethernet LAN	✔

Ports & interfaces

Ethernet LAN (RJ-45) ports *	2
USB 2.0 ports quantity	2

Processor special features

Intel® Insider™	✘
Intel Flex Memory Access	✔
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✔
Intel Clear Video Technology	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Intel 64	✔
Intel Identity Protection Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	52271

Power

Number of power supply units	1
Power supply *	250 W

Certificates

Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

Weight & dimensions

Width	434 mm
Depth	394.3 mm
Height	42.4 mm

Other features

I/O ports	eSATA
Disk array controller	PERC H200
Mac compatibility	✘
Graphics card	G200eW
Graphics card family	Matrox

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