



## DELL PowerEdge R730 server 300 GB Rack (2U) Intel® Xeon® E5 v4 E5-2620V4 2.1 GHz 16 GB DDR4-SDRAM



**Brand :** DELL

**Product family:** PowerEdge

**Product code:** 2FG1P

**Product name :** R730

Intel Xeon E5-2620v4 (20M Cache, 2.1GHz), 16GB DDR4 2133MHz, 300GB HDD, Matrox G200eR2 16MB, Gigabit Ethernet

DELL PowerEdge R730. Processor family: Intel® Xeon® E5 v4, Processor frequency: 2.1 GHz, Processor model: E5-2620V4. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 300 GB, HDD size: 2.5", HDD interface: Serial Attached SCSI (SAS). Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Chassis type: Rack (2U)

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	2
Processor family *	Intel® Xeon® E5 v4	VGA (D-Sub) ports quantity	2
Processor model *	E5-2620V4	Serial ports quantity	1
Processor frequency *	2.1 GHz	<b>Expansion slots</b>	
Processor boost frequency	3 GHz	PCI Express x8 (Gen 3.x) slots	6
Processor cores	8	PCI Express x16 (Gen 3.x) slots	2
Processor cache	20 MB	PCI Express slots version	3.0
Motherboard chipset	Intel C610	<b>Design</b>	
Memory channels supported by processor	Quad	Chassis type *	Rack (2U)
Number of processors installed	1	Rack mounting	✓
Thermal Design Power (TDP)	85 W	<b>Performance</b>	
Processor cache type	Smart Cache	Trusted Platform Module (TPM)	✓
System bus rate	8 GT/s	<b>Software</b>	
Processor socket	LGA 2011-v3	Operating system installed *	✗
Processor lithography	14 nm	Compatible operating systems *	Microsoft Windows Server 2008/2012 SP2, x86/x64 (x64 includes Hyper-V) Microsoft Windows Server 2008/2012 R2, x64 (includes Hyper-V) Microsoft Windows HPC Server 2008 Novell SUSE Linux Enterprise Server Red Hat Enterprise Linux
Processor threads	16	<b>Processor special features</b>	
Processor operating modes	64-bit	CPU configuration (max)	2
Stepping	R0	Enhanced Intel SpeedStep Technology	✓
Bus type	QPI	Intel® Identity Protection Technology (Intel® IPT)	✗
Number of QPI links	2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Broadwell	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Tcase	74 °C	Intel® Turbo Boost Technology	2.0
Maximum internal memory supported by processor	1.54 TB	Intel Flex Memory Access	✗
Memory types supported by processor	DDR4-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speeds supported by processor	1600,1866,2133 MHz	Intel Trusted Execution Technology	✓
Memory bandwidth supported by processor (max)	68.3 GB/s	Intel Enhanced Halt State	✓
ECC supported by processor	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Execute Disable Bit	✓	Intel Demand Based Switching	✓
Idle States	✓	Intel® Secure Key	✓
Thermal Monitoring Technologies	✓	Intel TSX-NI	✓
Maximum number of PCI Express lanes	40		
Processor package size	45 x 52.5 mm		
Supported instruction sets	AVX 2.0		
Processor code	SR2R6		
Scalability	2S		
Physical Address Extension (PAE)	✓		
Physical Address Extension (PAE)	46 bit		
Embedded options available	✓		
Processor series	Intel Xeon E5-2600 v4		

<b>Processor</b>		<b>Processor special features</b>	
Conflict-Free processor	✓	Intel® OS Guard	✓
<b>Memory</b>		Intel 64	✓
Internal memory *	16 GB	Intel Identity Protection Technology version	0.00
Internal memory type *	DDR4-SDRAM	Intel Secure Key Technology version	1.00
Memory slots	24	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel TSX-NI version	1.00
Memory clock speed	2400 MHz	Processor ARK ID	92986
Maximum internal memory *	1.54 TB	<b>Power</b>	
<b>Storage</b>		Power supply input frequency	50 - 60 Hz
Total storage capacity *	300 GB	<b>Operational conditions</b>	
HDD interface	Serial Attached SCSI (SAS)	Operating temperature (T-T)	10 - 35 °C
HDD size	2.5"	Storage temperature (T-T)	-40 - 65 °C
Hot-Plug support	✓	Operating relative humidity (H-H)	10 - 80%
Hot-swap	✓	Storage relative humidity (H-H)	5 - 95%
<b>Graphics</b>		Operating altitude	0 - 3048 m
On-board graphics card	✓	Non-operating altitude	0 - 12000 m
On-board graphics card model	Matrox G200eR2	<b>Weight &amp; dimensions</b>	
Maximum graphics card memory	16 MB	Width	444 mm
<b>Network</b>		Depth	684 mm
Ethernet LAN	✓	Height	87.3 mm
Cabling technology	10/100/1000Base-T(X)	<b>Other features</b>	
Ethernet interface type	Gigabit Ethernet	Built-in display	✓
<b>Ports &amp; interfaces</b>		Display	LCD
Ethernet LAN (RJ-45) ports *	4		
USB 2.0 ports quantity	2		



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