



## DELL PowerEdge R440 server 1 TB Rack (1U) Intel® Xeon® 3106 1.7 GHz 16 GB DDR4-SDRAM 550 W

**Brand :** DELL

**Product family:** PowerEdge

**Product code:** MH6G6

**Product name :** R440



- No OS

- Intel Xeon Bronze 3106 (11MB Cache, 1.7GHz)

- 16GB (2666MT/s) DDR4-SDRAM & 1000GB HDD

- iDRAC9 Enterprise

Intel Xeon Bronze 3106 (11MB Cache, 1.7GHz), 16GB DDR4-SDRAM (2666MT/s) RDIMM Dual Rank, 1000GB HDD, LAN (Broadcom 5720), PERC H730P 2GB, iDRAC9 Enterprise, 2 x 550W, No OS

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### Designed for dense, scale-out computing

Gain performance and density in a compact 1U, 2-socket rack server for HPC, web tech and scale-out infrastructure.

DELL PowerEdge R440. Processor family: Intel® Xeon®, Processor frequency: 1.7 GHz, Processor model: 3106. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, HDD size: 3.5", HDD interface: Serial ATA III. Ethernet LAN. Power supply: 550 W, Redundant power supply (RPS) support. Chassis type: Rack (1U)



Processor		Ports & interfaces	
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports *	2
Processor family *	Intel® Xeon®	USB 2.0 ports quantity	1
Processor generation	1st Generation Intel® Xeon® Scalable	VGA (D-Sub) ports quantity	2
Processor model *	3106	Serial ports quantity	1
Processor frequency *	1.7 GHz	Expansion slots	
Processor cores	8	PCI Express x16 (Gen 3.x) slots	2
Processor cache	11 MB	PCI Express slots version	3.0
Number of processors installed	1	Design	
Thermal Design Power (TDP)	85 W	Chassis type *	Rack (1U)
Processor cache type	L3	Product colour	Black
Processor socket	LGA 3647 (Socket P)	Rack mounting	✓
Processor lithography	14 nm	Rack rails	✓
Processor threads	8	Performance	
Processor operating modes	64-bit	Remote administration	iDRAC9 Enterprise
Stepping	U0	Performance management	OpenManage Enterprise Advanced
Processor codename	Skylake	Trusted Platform Module (TPM)	✓
Tcase	77 °C	Trusted Platform Module (TPM) version	2.0
Maximum internal memory supported by processor	768 GB	Software	
Memory types supported by processor	DDR4-SDRAM	Operating system installed *	✗
Memory clock speeds supported by processor	2133 MHz	Compatible operating systems *	Canonical Ubuntu LTS Citrix XenServer Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi
Execute Disable Bit	✓	Processor special features	
Maximum number of PCI Express lanes	48	Enhanced Intel SpeedStep Technology	✓
Processor package size	76.0 x 56.5 mm		
Processor code	SR3GL		
Scalability	2S		

Processor		Processor special features	
Embedded options available	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Conflict-Free processor	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Memory		Intel® Turbo Boost Technology	✗
Internal memory *	16 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type *	DDR4-SDRAM	Intel Trusted Execution Technology	✓
Buffered memory type	Registered (buffered)	Intel VT-x with Extended Page Tables (EPT)	✓
Memory ranking	2	Intel TSX-NI	✓
Memory slots	16x DIMM	Intel 64	✓
Memory data transfer rate	2666 MT/s	Intel Virtualization Technology (VT-x)	✓
Maximum internal memory *	512 GB	Intel TSX-NI version	1.00
Storage		Processor ARK ID	123540
Maximum storage capacity *	64 TB	Power	
Total storage capacity *	1 TB	Redundant power supply (RPS) support *	✓
Number of HDDs installed	1	Power supply *	550 W
HDD capacity	1 TB	Number of redundant power supplies installed	2
HDD interface	Serial ATA III	Weight & dimensions	
HDD speed	7200 RPM	Width	434 mm
HDD size	3.5"	Depth	714.6 mm
Number of HDDs supported	4	Height	42.8 mm
Supported HDD sizes	3.5"	Packaging content	
Supported RAID controllers	PERC H730P 2GB	Cables included	AC
Hot-Plug support	✓		
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	SD		
Network			
LAN controller	Broadcom 5720		
Ethernet LAN	✓		
Ethernet interface type	Gigabit Ethernet		



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