DELL PowerEdge R450 server 480 GB Rack (1U) Intel Xeon Silver 4309Y 2.8 GHz 16 GB DDR4-SDRAM 800 W Windows Server 2022 Standard

Brand : DELL **Product family:** PowerEdge **Product code:** X95FF634-BYKR

Product name : R450

- Windows Server 2022 Standard
- Intel Xeon Silver 4309Y (12MB Cache, 2.8GHz)
- 16GB (2666MHz) DDR4-SDRAM (1 x 16) & 480GB SSD
- iDRAC9, Enterprise 15G

Intel Xeon Silver 4309Y (12MB Cache, 2.8GHz), 16GB DDR4-SDRAM (2666MHz), 480GB SSD, LAN (Broadcom 5720), PERC H755, iDRAC9, Enterprise 15G, 800W, Windows Server 2022 Standard

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1U value-optimized server for general-purpose IT
The Dell EMC PowerEdge R450, with 3rd generation Intel® Xeon® Scalable processors, offers improved performance and exceptional value in a 1U rack server.
DELL PowerEdge R450. Processor family: Intel Xeon Silver, Processor frequency: 2.8 GHz, Processor model: 4309Y. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory layout (slots x size): 1 x 16 GB. Total storage capacity: 480 GB. Ethernet LAN, Cabling technology: 10/100/1000Base-T(X). Power supply: 800 W, Redundant power supply (RPS) support. Operating system installed: Windows Server 2022 Standard. Chassis type: Rack (1U)

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Xeon Silver
Processor generation	3rd Generation Intel® Xeon® Scalable
Processor model *	4309Y
Processor frequency *	2.8 GHz
Processor boost frequency	3.6 GHz
Processor cores	8
Processor cache	12 MB
Number of processors installed	1
Thermal Design Power (TDP)	105 W
System bus rate	10.4 GT/s
Processor threads	16

Memory	
Internal memory *	16 GB
Internal memory type *	DDR4-SDRAM
Buffered memory type	Registered (buffered)
Memory ranking	2
Memory slots	16x DIMM
Memory clock speed	2666 MHz
Memory layout (slots x size)	1 x 16 GB
Memory data transfer rate	3200 MT/s

Storage	
Total storage capacity *	480 GB
Number of SSDs installed	1
SSD capacity	480 GB
SSD interface	SATA III
SSD size	2.5"

Design	
Product colour	Black
Bezel	✓

Performance	
Remote administration	iDRAC9, Enterprise 15G

Software	
Operating system installed *	Windows Server 2022 Standard
Compatible operating systems *	Canonical Ubuntu Server LTS Citrix Hypervisor Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux SUSE Linux Enterprise Server VMware ESXi

Power	
Redundant power supply (RPS) support *	✓
Power supply *	800 W
Number of redundant power supplies supported	2
Number of redundant power supplies installed	1
Power cable length	2 m
Power cable connector 1	C13 coupler
Power cable connector 2	C14 coupler
Power cable current	10 A

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	8 - 80%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	0 - 3048 m

Storage	
Supported SSD sizes	2.5"
Number of SSDs supported	8
Supported RAID controllers	PERC H755
Hot-Plug support	✓
Optical drive type *	✗
Drive writes per day (DWPD)	1

Graphics	
On-board graphics card model	Not available

Network	
LAN controller	Broadcom 5720
Ethernet LAN	✓
Cabling technology	10/100/1000Base-T(X)
Ethernet interface type	Gigabit Ethernet

Ports & interfaces	
Ethernet LAN (RJ-45) ports *	2
USB 2.0 ports quantity	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	3
VGA (D-Sub) ports quantity	2
Power cables quantity	1

Expansion slots	
PCI Express x16 slots	2

Design	
Chassis type *	Rack (1U)

Operational conditions	
Non-operating altitude	0 - 12000 m

Logistics data	
Harmonized System (HS) code	84714100

Carbon footprint	
Total carbon footprint	8260 kg of CO2e
Total carbon emissions (Standard deviation)	4440 kg of CO2e
Carbon emissions (Manufacturing)	1001 kg of CO2e
Carbon emissions (Logistics)	138 kg of CO2e
Carbon emissions (Use)	7100 kg of CO2e
Carbon emissions (End-of-Life)	22 kg of CO2e
Total carbon emissions (w/o Use phase)	1160 kg of CO2e
PAIA version	1.3.2, 2022

Weight & dimensions	
Width	482 mm
Height	42.8 mm

Other features	
Data transfer rate	6 Gbit/s
Bytes per sector	512

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