ComX Computers
Product Specification Sheet

EMEA_PROMO_PER470_SPL2

Dell PowerEdge R470 1U Server, Xeon 6517P 4.2GHz, 32GB RAM, 2x 480GB SSD, 8x 2.5" bays

Product Overview

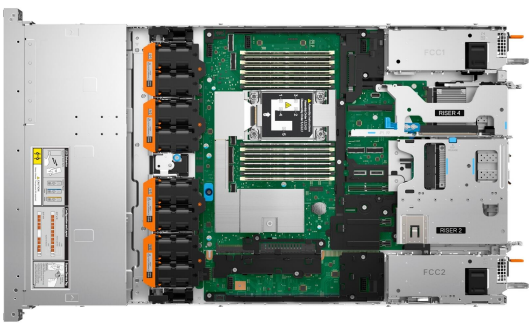
Dell PowerEdge R470 1U Server, Intel Xeon 6517P Granite rapids 3.2GHz up to 4.2GHz 72MB Cache Sixteen (16) Core Processor with no intergrated Graphics, 32GB DDR5 ECC Memory, 2x 480GB SSD, 2.5" Chassis with up to 8 hard drives (SAS/SATA), Dual hotplug 1100W Power supplies, ReadyRails, PERC H965i, No Operating System











Specifications

Overview Summary:

The Dell PowerEdge R470 is a powerful 1U rack server built for organisations that need dependable enterprise performance, scalability and efficient power usage. Configured with an Intel Xeon 6517P 16-core processor, 32GB DDR5 ECC memory, dual 480GB SSDs and a PERC H965i RAID controller, it is well suited for virtualization, cloud services, business applications and database workloads. Buy now for a reliable foundation for your IT infrastructure.

Designed for modern data centres, the PowerEdge R470 offers flexible storage expansion, enterprise-grade management and advanced security features to simplify deployment and ongoing operations. Whether you are upgrading existing infrastructure or building a new server environment, shop now for a solution that delivers long-term value and performance.

Performance tier: Enterprise High Performance

Uses: Virtualization, cloud infrastructure, business applications, database hosting, file server, application server, web hosting, data centre deployment, private cloud, enterprise IT

Overview:

Dell PowerEdge R470 1U Rack Server for Modern Data Centers
The Dell PowerEdge R470 is a compact 1U, single-socket rack server designed to deliver an excellent balance of performance, scalability, and energy efficiency. Built to help businesses meet budget requirements while maintaining dependable computing power, it provides an ideal platform for growing data center environments. Its optimized architecture delivers strong processing performance while reducing power consumption, making it a practical choice for organizations looking to maximize rack space and operational efficiency.

Description:

Designed for businesses that demand reliable enterprise performance, the Dell PowerEdge R470 combines the latest Intel Xeon processing technology with fast DDR5 ECC memory and enterprise-grade storage. Whether you are expanding virtualization infrastructure, hosting cloud applications, managing databases, or supporting business-critical workloads, this server offers the flexibility and efficiency required for modern IT environments. Part Number EMEA_PROMO_PER470_SPL2 identifies this specific configuration, making it easy to match the correct model when planning deployments or future upgrades.

Features:

Performance for Enterprise Workloads
Built around the latest Intel Xeon 6 processor platform, the PowerEdge R470 delivers impressive computing power while maintaining excellent power efficiency. Its advanced design allows organizations to achieve greater rack density and improved overall data center productivity.

This server is well suited for environments including:

- Cloud-scale web services
- Application microservices
- Virtualization platforms
- Scale-out databases
- Data services
- High-performance enterprise computing

Configured for Business Reliability

This configuration provides enterprise-class hardware ready for demanding workloads.

Key hardware includes:

- Intel Xeon 6517P Granite Rapids processor
- 16 CPU cores
- Base clock 3.2GHz
- Turbo Boost up to 4.2GHz
- 72MB Intel Smart Cache
- 32GB DDR5 ECC memory
- Dual 480GB SSD storage
- 8 x 2.5-inch drive chassis
- PERC H965i RAID controller
- Dual hot-plug 1100W power supplies
- ReadyRails mounting system
- No operating system installed

Built for Future Growth
The Dell PowerEdge R470 has been engineered to support changing business requirements with a flexible platform that adapts as infrastructure evolves. Its scalable architecture helps organizations introduce new technologies without replacing existing server investments.

Additional advantages include:

- Scalable infrastructure for long-term expansion
- Excellent rack space utilization in a compact 1U form factor
- Optional front I/O configuration for easier cold aisle servicing
- Smart Power and Cooling technologies that reduce operational costs
- Industry-standard DC-MHS compliant design for deployment flexibility

Simplified Server Management
Managing enterprise infrastructure becomes easier through Dell's integrated management ecosystem. OpenManage simplifies deployment, monitoring, updates, and maintenance while helping administrators improve efficiency across PowerEdge environments.

Management capabilities include:

- Centralized server monitoring
- Automated deployment and provisioning
- Lifecycle management
- Firmware updates
- Infrastructure health monitoring
- Operational automation with iDRAC, OpenManage Enterprise, and CloudIQ

Advanced Security for Business Confidence
Security is built into every stage of the PowerEdge R470 lifecycle. Multiple protection layers help safeguard firmware, hardware, and system integrity while supporting Zero Trust security strategies across enterprise environments.

Security technologies include:

- Silicon Root of Trust
- Secured component verification
- Signed firmware validation

- Drift detection
- BIOS recovery
- Dynamic System Lockdown

Technical Summary

- Processor: Intel Xeon 6517P Granite Rapids, 16-Core, 3.2GHz up to 4.2GHz, 72MB Cache
- Memory: 32GB DDR5 ECC
- Storage: 2 x 480GB SSD
- Drive Bays: 8 x 2.5-inch
- RAID Controller: PERC H965i
- Power Supply: Dual Hot-Plug 1100W
- Rail Kit: ReadyRails Included
- Operating System: None
- Form Factor: 1U Rack Server

Part Number / SKU: EMEA_PROMO_PER470_SPL2

The Dell PowerEdge R470 is an excellent solution for businesses seeking a high-performance, energy-efficient rack server capable of handling virtualization, cloud computing, database services, and enterprise applications while providing room for future expansion.

Specifications:

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Specifications	
Product Code	EMEA_PROMO_PER470_SPL2
Feature	Technical Specifications
Processor	One Intel Xeon 6 E-core processor with up to 144 cores per processor or
	One Intel Xeon 6 P-core processor with up to 86 Cores with R1S option
Memory	16 DDR5 DIMM slot, supports RDIMM 4TB max, speeds up to 6400 MT/s
	Intel Xeon 6 E-core processor - supports 1 TB max
	Intel Xeon 6 P-core processor with up to 86 cores with R1S option - supports 4 TB max
	Supports registered ECC DDR5 DIMMs only
	Note: The installed processor may reduce the operating speed of the DIMM
Storage controllers	Internal Controllers (RAID): PERC H365i DC-MHS, front PERC H965i DC-MHS, PERC H365i adapter, PERC H965i adapter
	External Controllers: HBA465e, H965e(RAID)
	Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1 DC-MHS): HWRAID 1, 2 xM.2 NVMe SSDs, M.2 interposer with upto 2 x M.2 NVMe SSDs or USB

Drive Bays	Front bays:
	Up to 8 x EDSFF E3.S Gen5 NVMe max 491.52 TB
	Up to 16 x EDSFF E3.S Gen5 NVMe max 983.04 TB
	Up to 8 x 2.5-inch SATA/NVMe max 491.52 TB
	Up to 10 x 2.5 - inch SATA/NVMe (with 4 x 2.5 -inch universal) max 614.4 TB
	Up to 4 x 3.5 - inch SATA max 128 TB (only supported with rear 2 x E3.S drives , not supported as standalone front-only configuration)
	Rear bays:
	Up to 2 x EDSFF E3.S Gen5 NVMe max 122.88 TB
Power Supplies	800W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant
	1100 W Platinum/Titanium 100-240 VAC or 240 HVDC, hot swap redundant
	1500 W Titanium 100-240 VAC or 240 HVDC, hot swap redundant
	1500 W 277 Vac and HVDC Titanium, hot swap redundant
	1400W -48v DC Titanium, hot swap redundant
Cooling Options	Air cooling
Fans	Up to 4 sets (dual fan module) hot swappable fans
Dimensions	Height - 42.8 mm (1.69 inches)
	Width - 482 mm (19.0 inches)
	Depth - 816.92 mm (32.16 inches) with bezel
	Depth - 815.14 mm (32.09 inches) without bezel
	Depth (Front I/O Configuration) - 829.44 mm (32.09 inches) without bezel
	Note: Front I/O configuration will not have a bezel.
Form Factor	1U rack server
Embedded Management	iDRAC
	iDRAC Direct
	iDRAC RESTfull API with redfish
	RACADM CLI
	iDRAC Service Module
Bezel	Optional security bezel

Security	Cryptographically signed firmware
	Data at Rest Encryption (SEDs with local or external key mgmt)
	Secure Boot
	Secured Component Verification (Hardware integrity check)
	Secure Erase
	Silicon Root of Trust
	System Lockdown (requires iDRAC10 Enterprise or Datacenter)
	TPM 2.0 FIPS, CC-TCG certified
	Chassis Intrusion Detection
OCP network options	Up to two OCP NIC card 3.0: Two slots on the front or two slots on the rear (optional)
	Slot Numbers: 2,5,31,32
Embedded NIC	1 Gb dedicated BMC Ethernet port
GPU Options	Up to 4 x 75 W SW
DPU Options	NVIDIA BlueField-3 2 x 200 GbE B3220
Ports	Front Ports
	1 x USB 2.0 Type - C port
	1 x USB 2.0 Type A port (optional)
	1 x Mini-DisplayPort (optional)
	1 x DB9 Serial (with front I/O configuration)
	1 x Dedicated BMC Ethernet port (with front I/O configuration)
	Rear Ports
	1 x Dedicated BMC Ethernet port
	2 x USB 3.1 Type A ports
	1 x VGA
	Internal Ports
	1 x USB 3.1 Type A port
PCIe	Up to 4 Gen5 PCIe slots (x16 connectors)
	Slot 1 -1 x8 Gen5 Low Profile
	Slot 1 -1 x16 Gen5 (x16 connector) full height, half length on rear riser
	Slot 4 -1 x16 Gen5 (x16 connector) full height, half length on rear riser
	Slot 31 -1 x16 Gen5 (x16 connector) full height, half length on rear riser
	Slot 32 -1 x16 Gen5 (x16 connector) full height, half length on rear riser
Feature	Technical Specifications

Operating System and Hypervisors	Canonical Ubuntu Server LTS
	Red Hat Enterprise Linux
	SUSE Linux Enterprise Server
	VMware ESXi
	Windows Server
	Windows Server Datacenter

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/EMEA_PROMO_PER470_SPL2-Dell-PowerEdge-R470-1U-Server-Xeon-6517P-4-2GHz-32GB-RAM-2x-p-338523.php

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