

DL-R640-CTO2

Dell PowerEdge R640 1U Rack Server, 2x Xeon Platinum 8176 3.8GHz, No RAM, No HDD, No OS, 10x 2.5" bays

Product Overview

Dell PowerEdge R640 1U Rack Server, 2x Intel Xeon Platinum 8176 2.1GHz up to 3.8GHz 38.5MB Cache 28 Core Processor with no integrated Graphics, 10 bay SFF (SATA/SAS), No DDR4 RAM 2666MHz, No Hard Disk Drive, H730P Mini PERC controller, Dell Intel I350 Quad-Port Gigabit Network daughter card, Dell Mellanox ConnectX 4LX 25GbE Dual Port SFP PCI-e Adapter, Dual 750W Power Supply, iDRAC 9 Enterprise



Specifications

Overview:

PowerEdge R640 Rack Server - Ideal balance of density and scalability

Get scalable computing and storage in a 1U, 2-socket platform with an ideal mix of performance, cost and density for most data centers.

Features:

Uncompromising performance and density for data center productivity and scale

The PowerEdge R640 is the ideal dual-socket platform for dense scale-out data center computing and storage. Benefit from the flexibility of 2.5" or 3.5" drives, the performance of NVMe and embedded intelligence to ensure optimized application performance in a secure platform. With embedded diagnostics and SupportAssist, the R640 delivers maximum uptime in a worry-free environment.

Ideal workloads:

- Dense software-defined storage
- Service providers: application tier
- Dense private cloud
- Virtualization
- HPC

Drive transformation with the Dell EMC PowerEdge portfolio

Data center evolution starts with modern platforms that easily scale and are optimized for application performance. The PowerEdge R640 is built upon a scalable system architecture and provides the choice and flexibility to easily meet performance demands.

- Simplify deployment and easily scale from 3 to 1000+ nodes for software-defined storage with Dell EMC Ready Node for ScaleIO.

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- Maximize storage performance with up to 8 NVMe drives.
- Scale compute resources with Intel Xeon Scalable processors, delivering a 27% increase in processing cores and 50% increase in bandwidth over previous generation of Xeon processors.

Automate productivity with intelligent, embedded management

Dell EMC automation and intelligent management mean you spend less time on routine maintenance so you can focus on bigger priorities.

- Help maximize uptime with proactive diagnostics and automated remediation that increase productivity up to 90%.
- Leverage existing management consoles with easy integrations for VMware vSphere, Microsoft System Center and Nagios.
- Improve productivity with agent-free Dell EMC iDRAC9 for automated, efficient management.
- Simplify deployment with OpenManage next-generation console and server profiles to fully configure and prep servers in rapid, scalable fashion.

Fortify your data center with comprehensive protection

Dell EMC provides a comprehensive, cyber-resilient architecture with security embedded into every server to protect your data.

- Protect server configuration and firmware from malicious changes with new Configuration Lock-down.
- Use system erase of local storage to help ensure data privacy when you repurpose or retire servers.
- Automate updates that check file dependencies and proper update sequence, before deploying them independently from the OS/hypervisor.
- Take control of your firmware consoles with embedded authentication that is designed to allow only properly designed updates to run.

Specifications:

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Specifications

Product Code	DL-R640-CTO2
Processor	Up to two Intel Xeon Scalable processors, up to 28 cores per processor
Operating System	Canonical Ubuntu LTS
	Citrix XenServer
	Microsoft Windows Server with Hyper-V Red Hat Enterprise Linux
	SUSE Linux Enterprise Server VMware ESXi
Memory	24 DDR4 DIMM slots, Supports RDIMM /LRDIMM, speeds up to 2666, 3TB max
	Up to 12 NVDIMM, 192 GB Max
	Supports registered ECC DDR4 DIMMs only

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Storage Controllers	Internal controllers:
	PERC H330, H730p, H740p, Software RAID (SWRAID) S140
	Boot Optimized Storage Subsystem:
	HWRAID 2 x M.2 SSDs 120GB, 240 GB
	External PERC (RAID):
	H840
	12Gbps SAS HBAs (non-RAID):
	External- 12Gbps SAS HBA (non-RAID)
	Internal- HBA330 (non-RAID)
Drive Bays	Front drive bays:
	Up to 10 x 2.5" with up to 8 NVMe, SAS/SATA/SSD/NVMe, max 58TB
	Up to 4 x 3.5" SAS/SATA, max 48TB
	Rear drive bays:
	Up to 2 x 2.5" SAS/SATA/SSD/NVMe, max 12TB
Dimensions	Form factor:
	Rack (1U)
	Chassis depth:
	705.05 mm
Data Protection	TPM 1.2/2.0 optional Cryptographically signed firmware
	Secure Boot
	System Lockdown
	Secure erase
Ports	Network daughter card options:
	4 x 1GE or 2 x 10GE + 2 x 1GE or 4 x 10GE or 2 x 25GE
	Front ports:
	Video, 1 x USB 2.0, available USB 3.0, dedicated iDRAC Direct USB
	Rear ports:
	Video, serial, 2 x USB 3.0, dedicated iDRAC network port
	Video card:
	VGA, NVIDIA NVS310 available as PCIe card Up to 3 x Gen3 slots, all x16
Chassis	Optional LCD or Security bezel
Power	Titanium 750W, Platinum 495W, 750W, 1100W, and 1600W
	48VDC 1100W, 380HVDC 1100W, 240HVDC 750W
	Hot plug power supplies with full redundancy option Up to 8 hot plugs fans with full redundancy

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Product Specification Sheet

Management	Embedded / At-the-Server
	iDRAC9 with Lifecycle Controller (Express, Enterprise)
	iDRAC Direct
	iDRAC REST API with Redfish
	Quick Sync 2 BLE/wireless module
	Consoles
	OpenManage Enterprise
	OpenManage Essentials
	OpenManage Power Center
	Mobility
	OpenManage Mobile
	Tools
	iDRAC Service Module
	OpenManage Server Administrator
	OpenManage Storage Services
	Dell EMC Repository Manager
	Dell EMC System Update
	Dell EMC Server Update Utility
	Dell EMC Update Catalogs
	OpenManage Integrations
	Microsoft System Center
	VMware vCenter
	BMC software (available from BMC)
	OpenManage Connections
	Nagios Core and Nagios XI
	HPE Operations Manager i (OMi)
	IBM Tivoli Netcool/OMNibus
	IBM Tivoli Network Manager IP Edition
Regulatory	Product Safety, EMC and Environmental Datasheets
	Dell Regulatory Compliance Home Page
	Dell and the Environment

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/DL-R640-CTO2-Dell-PowerEdge-R640-1U-Rack-Server-2x-Buy-p-321584.php>

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PDF generated: 2026-10-13 09:49:10.

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