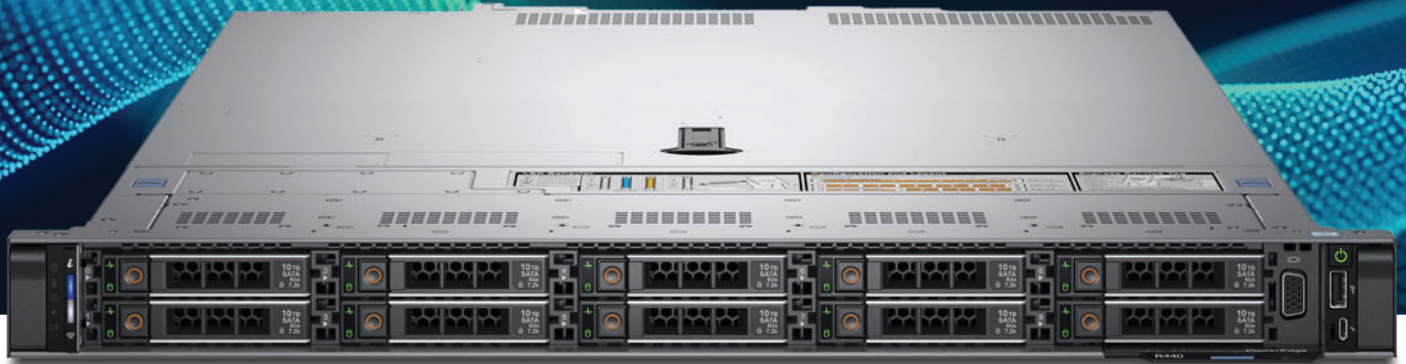


R660-IR (Immersion Ready)

Compelling performance, high scalability, and density



The Dell EMC PowerEdge R660 optimized for Immersion by UNICOM Engineering, R660-IR, powered by the 4th Generation Intel® Xeon® Scalable processors is the optimal rack server to address application performance and acceleration. R660-IR is a dual-socket/1U rack server that delivers outstanding performance for the most demanding workloads. It supports 8 channels of memory per CPU, and up to 32 DDR4 DIMMs @ 4800 MT/s speeds.

In addition, to address substantial throughput improvements the R660-IR supports PCIe Gen5 and up to 10 SSD drives with liquid immersion cooling features to support increasing power and thermal requirements. This makes the R660-IR an ideal server for data center standardization on a wide range of workloads including Database and Analytics, High-Frequency Trading, Traditional corporate IT, and even HPC or AI/ML environments that require performance, and GPU support in a dense 1U form factor.

Gain a Competitive Advantage

Many times, the best way to deliver a truly competitive solution is to leverage the products, skills, and resources of proven partners. Building on innovative Intel technology, UNICOM Engineering's design, integration, logistics and support expertise helps customers streamline software application deployment and shorten time to revenue. Our strong foundation of engineering expertise, process-driven manufacturing, technology partner relationships, and an unrelenting commitment to quality has made UNICOM Engineering one of the most trusted deployment partners in the industry.

R660-IR (Immersion Ready)

technical specifications



R660-IR Rear View

Processor

- Up to two 4th Generation Intel Xeon Scalable processors, with up to 56 cores per processor

Memory

- 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 4800 MT/s
- Supports registered ECC DDR5 DIMMs only

Storage Controllers

- Internal Controllers (RAID): PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i
- Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSD drives, or USB
- External HBAs (non-RAID): HBA355e

Drive Bays (SSD Only)

Front Bays:

- Up to 10 x 2.5-inch NVMe SSD

Rear Bays:

- Up to 2 x 2.5-inch SAS/SATA/NVMe

Power Supplies

- 1400W

Cooling

- Optimized for Immersion Cooling Systems

Dimensions

- Height – 42.8 mm (1.7 inches)
- Width – 482 mm (18.97 inches)
- Depth – 809 mm (31.85 inches)

Embedded Management

- iDRAC9
- iDRAC Direct
- iDRAC RESTful API with Redfish
- iDRAC Service Module

Embedded NIC

- 2 x 1 GbE LOM riser

Networking Options

- 1 x OCP 3.0 (x8 PCIe lanes)

Ports

Front Ports:

- 1 x iDRAC Direct (Micro-AB USB) port
- 1 x USB 2.0
- 1 x VGA

Rear Ports:

- 1 x Dedicated iDRAC Ethernet port
- 1 x USB 2.0
- 1 x USB 3.0
- 1 x VGA (optional for Direct Liquid Cooling configuration)

Internal Ports:

- 1 x USB 3.0 (optional)

PCIe

Up to three PCIe slots:

- Slot 1: 1 x16 Gen5 full-height, 3/4 length, half-length or 1 x8/ 1 x16 Gen5 or 1 x16 Gen4 low-profile, half-length
- Slot 2: 1 x16 Gen5 full-height, 3/4 length, half-length or 1 x16 Gen5 or 1 x16 Gen4 low-profile, half-length
- Slot 3: 1 x8/ 1 x16 Gen5 or 1 x16 Gen4 low-profile, half-length

Operating System and Hypervisors

- Canonical Ubuntu Server LTS
- Citrix Hypervisor
- Microsoft Windows Server with Hyper-V
- Red Hat Enterprise Linux
- SUSE Linux Enterprise Server
- VMware ESXi


Note: These specifications should be viewed as preliminary and final specifications may vary.

Support and Maintenance Services

UNICOM Engineering offers a variety of support and maintenance service programs to ensure high availability, rapid response, effective troubleshooting, fast parts replacement and 24-hour support.


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