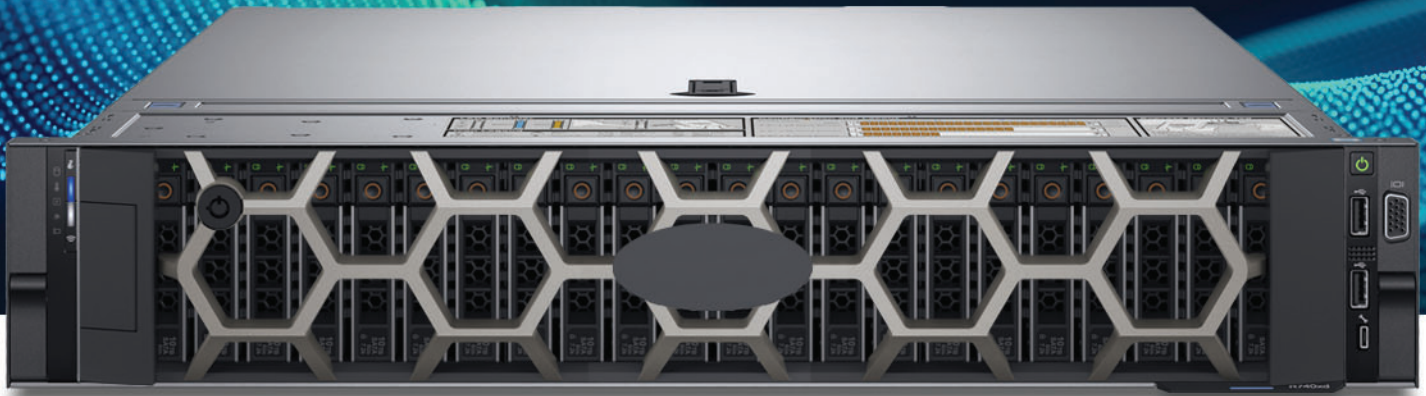


R760-IR (Immersion Ready)

General purpose server optimized to address the most demanding workloads



The Dell EMC PowerEdge R760 optimized for Immersion by UNICOM Engineering, R760-IR, powered by the 4th Generation Intel® Xeon® Scalable processors is the optimal rack server to address application performance and acceleration. The R760-IR is a dual-socket/2U rack server that delivers outstanding performance for the most demanding workloads. It supports 8 channels of memory per CPU, and up to 32 DDR5 DIMMs @ 4800 MT/s speeds. In addition, to address substantial throughput improvements the R760-IR supports PCIe Gen5 and up to 24 SSD drives with liquid immersion cooling features to support increasing power and thermal requirements. This makes the R760-IR an ideal server for data center standardization on a wide range of workloads including Database and Analytics, High-performance computing (HPC), Traditional corporate IT, and AI/ML environments that require performance, extensive storage and GPU support.

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.

R760-IR (Immersion Ready)

technical specifications



R760-IR Rear View

Processor

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

Memory

- 32 DDR5 DIMM slots, supports RDIMM 8 TB max, speeds up to 4800 M--T/s

Storage Controllers

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

Drive Bays

Front Bays:

- Up to 24 x 2.5-inch SAS/SATA/NVMe SSD

Rear Bays:

- Up to 2 x 2.5-inch SAS/SATA/NVMe SSD
- Up to 4 x 2.5-inch SAS/SATA/NVMe SSD

Power Supplies

- 1400W/2400W/2800W

Cooling

- Optimized for Immersion Cooling Systems

Dimensions

- Height – 86.8 mm (3.41 inches)
- Width – 482 mm (18.97 inches)
- Depth – 758.3 mm (29.85 inches)

Embedded Management

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

Embedded NIC

- 2 x 1 GbE LOM

Networking Options

- 1 x OCP 3.0 (x8 PCIe lanes)

GPU Options

Up to 2 GPUs:

- Nvidia A40
- Nvidia L40
- Nvidia H100

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
- 2 x RJ-45
- 1 x VGA

Ports (continued)

Internal Ports

- 1 x USB 3.0

PCIe

- Up to 8 x PCIe Gen5 slots (up to 6 x16)

Operating System and Hypervisors

- Canonical Ubuntu Server LTS
- 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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