POWEREDGE R930

The Dell EMC PowerEdge R930 rack server was specifically designed for the most demanding enterprise applications and features industry-leading internal storage and memory scalability to optimize application performance.

Accelerate enterprise applications with Dell EMC's most powerful server featuring highly scalable processing, memory and internal storage. The R930 is the ideal foundation for:

- In-memory databases
- OLTP, OLAP
- CRM, ERP
- Unix to Linux migrations

Scalable performance

Leveraging the latest Intel® Xeon® processor E7 v4 product family (with up to 24 cores per processor), the four-socket R930 flexibly scales to optimize transaction, operations and significantly reduce latency.

- Utilize all 96 processing cores to access up to 12TB (with 64GB DIMMs) DDR4 memory.
- Optimize performance accross compute, memory and I/O with up to eight PCIe SSDs.
- Protect mission-critical and data-intensive applications with Intel E7 RAS features.

Accelerate applications

Reduce licensing costs using the extensive internal resources of a single R930 to accelerate applications and optimize compute processing. With 96 DIMM slots and 24 hard drives, the R930 can easily adapt to the demands of any workload.

- Cost-effectively scale memory using lower-cost, smaller DIMMs.
- Architect internal storage with SSDs and SAS drives to optimize for specific applications.
- Double I/O bandwidth utilizing dual PCIe 3.0 RAID cards.

Innovative management with intelligent automation

The Dell OpenManage portfolio simplifies and automates server lifecycle management tasks by leveraging the incomparable agent-free capabilities of the embedded Dell Remote Access Controller (iDRAC) with Lifecycle Controller. With this technology, server deployment, configuration and updates are streamlined across the OpenManage portfolio and through integration with third-party management solutions. Monitoring and control of Dell EMC and third-party data center hardware is provided by OpenManage Essentials and with anytime, anywhere mobile access, through OpenManage Mobile. OpenManage Essentials now also delivers Server Configuration Management capabilities that automates one:many bare-metal server and OS deployment, providing quick and consistent replication of configurations and ensures compliance to a predefined baseline configuration with automated drift detection.

PowerEdge R930

- Latest Intel Xeon E7-8800 v4 and E7-4800 v4 processors
- Up to 96 DIMMS DDR4 memory
- Supports up to 8 Express Flash NVMe PCIe SSDs
- Up to 10 PCIe 3.0 slots

Feature	Technical specification
Form factor	4U
Dimensions	H: 86.8 mm (3.417 in), W: 482.4 mm (18.99 in), D: 811.06 mm (31.93 in) with PSU and bezel D: 776.46 mm (30.59 in) PSU without bezel
Processor	Intel Xeon E7-8800 v4 and E7-4800 v4 processors
Processor sockets	4
Internal interconnect	Intel QuickPath Interconnect (QPI)
Cache	Up to 60MB
Chipset	Intel C602J
Memory	Up to 12TB (96 DIMM slots): 8GB/16GB/32GB/64GB/128GB DDR4, RDIMM, LRDIMM up 2400MT/s
I/O slots	Up to 10 PCIe 3.0 slots + 1 RAID slot + 1 NDC slot
RAID controllers	Internal controllers: PERC H330, PERC H730P External HBAs (RAID): PERC H830 External HBAs (non-RAID): 12Gbps SAS HBA
Hard drives	2.5" SATA/SAS SSD, SAS HDD (15K, 10K), nearline SAS HDD (7.2K) 2.5" PCIe SSDs: Dell PowerEdge NVMe Express Flash PCIe SSD
Drive bays	Up to 24 2.5" hot-plug 12Gb/6Gb SAS HDD or SAS/SATA SSD Up to 8 front-accessible Express Flash NVMe PCIe SSD (PCIe 3.0)
Embedded NIC	Refer to Dell.com/poweredge for the supported NICs
Remote management	iDRAC8 with Lifecycle Controller iDRAC8 Express (default) iDRAC8 Enterprise (upgrade option) 8GB or 16GB vFlash media (upgrade options)
Systems management	IPMI 2.0 compliant Dell OpenManage Essentials Dell OpenManage Mobile Dell OpenManage Power Center Dell OpenManage Integrations: · Dell OpenManage Integration Suite for Microsoft System Center · Dell OpenManage Integration for VMware® vCenter Dell OpenManage Connections: · HP Operations Manager, IBM Tivoli® Netcool®, and CA Network and Systems Management · Dell OpenManage Plug-in for Oracle Database Manager
Power supplies	Hot-plug redundant PSUs: 750W AC, 1100W AC
Availability	Hot-plug hard drives, hot-plug redundant power, hot-plug redundant fans, ECC memory, internal dual SD module
Operating systems	Microsoft® Windows Server® 2012 R2 Microsoft Windows Server 2012 Novell® SUSE® Linux Enterprise Server Red Hat® Enterprise Linux® VMware vSphere® ESXi™ For more information on specific versions and additions, visit Dell.com/OSsupport.
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit Dell.com/OEM.

Recommended services

ProSupport Plus with SupportAssist provides proactive and predictive support for critical systems. ProSupport provides comprehensive hardware and software support. Get more from your technology starting on day one with ProDeploy Enterprise Suite deployment offers. For more information, visit Dell.com/itlifecycleservices.

End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell EMC for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell EMC Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.*

Learn more at Dell.com/PowerEdge

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