Hewlett Packard
Enterprise

HPE Integrity rx2800 i2 Server

Integrity Servers

What's new

- Intel Itanium 9300 series processors
- DDR3 memory
- Integrated Lights-Out3 (iLO3)
- Greater capacity
- Expanded scalability
- NEBS Level 3 Certification

Overview

You are under constant pressure to deliver more with less, even in the face of declining budgets and spending constraints – while your IT department requires higher performing systems for their more demanding workloads. You need an affordable UNIX server that you can install quickly and justify easily.

The HP Integrity rx2800 i2 Server is the economical and easy way to boost performance in your mission-critical data center or remote office, compared to the previous 2U Integrity servers. With compact scaling you can run entry-class UNIX workloads with outstanding performance and scalability. Out-of-the-box

savings lowers your TCO with performance, floor space and energy efficiencies. State-of-the-art management tools help you simplify administration, ease serviceability, enable remote management, and improve overall IT staff productivity—and the 2U rx2800 i2 Server integrates seamlessly into existing rack infrastructures.

Features

Compact scaling - run entry-class UNIX workloads with outstanding performance and scalability

The HP Integrity rx2800 i2 Server gives you up to 9x performance boost compared to legacy Integrity Servers in a 2U footprint, with 2x more CPU performance, quad-core Intel® Itanium® 9300 processors, 3x more memory, and 2x I/O slots, plus 2x GbE NICs.

The HP Integrity rx2800 i2 Server offers twice the flexibility you need to accommodate diverse and future requirements with dual-core or quad-core processors, up to 384 GB memory, and up to 4.8 TB storage, and 6 PCIe I/O slots.

The HP Integrity rx2800 i2 Server offers always-on resiliency with built-in continuity, resiliency, and availability features running HP-UX 11i v3 keeps your business running without interruption.

The HP Integrity rx2800 is Server is NEBS Level 3 certified with optional –48 Vdc power supplies that enable equipment operability in network facility environments.

Out-of-the-box cost savings with lower TCOs and greater energy efficiency.

With the HP Integrity rx2800 i2 Server you reduce your solution acquisition costs: hardware, OS, and support by up to 58% less cost vs. rx6600 (8c to 8c) and 28% less cost vs. rx2660 (4c to 4c). Reduce OS licensing fees using HP-UX with up to 50% lower price per core than earlier Integrity Servers.

Thermal Logic Technologies on the rx2800 i2 server provide intelligent power and cooling, and the fully N+N redundant high-efficiency power supplies support power metering and capping.

The HP Integrity rx2800 i2 Server saves data center costs by reducing your floor space that allows 20 servers per 42U rack instead of 5 servers, compared to similarly performing rx6600. Save $62.50 per square foot (for typical IT installation per IDC).

With the rx2800 i2 Server you can avoid switching costs with familiar, easy to deploy form factor that fast tracks your upgrade process. The 2U form factor is well-suited for a variety of deployments and applications. Reduce need to switch platforms or disrupt IT work processes.

Operational excellence - increase productivity with state-of-the-art management tools

The HP Integrity 2800 i2 Server with HP Insight Control featuring iLO 3 enables administrators to proactively manage HP Integrity server health, deploy servers quickly, reduce power consumption and control Integrity servers remotely from outside the data center.

Easy-to read front panel saves administrators time, and eases serviceability. The new HP System Insight display is a slide-out system diagnostics display that makes it easy to find troubleshooting information at the front of the server.

The HP Integrity 2800 i2 Server Converged Infrastructure approach is delivered through a common architectural framework, based on a standard set of components and management tools.

Technical specifications — HPE Integrity rx2800 i2 Server

Processor family	Intel® Itanium ® 9300 series
Number of processors	2 or 1
Processor core available	4 or 2
Processor cache	10 MB L3 16 MB L3 20 MB L3
Processor speed	1.73 GHz
Graphic card	PCIe 2D graphics card
Form factor (fully configured)	2U
Form factor chassis	Tower or Rack
Maximum memory	384 GB
Memory type	DDR3
Memory slots	24 DIMM slots
Memory protection features	ECC
Expansion slots	Max support of 6 IO slots with two 3-slot PCIe riser cards. Choice of two riser cards: 3-slot PCIe riser card (one full-length/half-height x8 speed/x16 connector slot, and two half-length/full-height x4 speed/x8 connector slots), and 2-slot PCIe riser card (one full-length/full-height x8 speed/x16 connector slot, and one half-length/full-height x8 speed/x16 connector slot). Minimum of one riser card, max. of two.
Drive description	(8) SFF SAS and/or (8) SFF SSD
Network controller	(2) 4 Ports
Power supply type	Hot plug redundant power supply
Infrastructure management	Insight Control with iLO Advanced (iLO 3)
Minimum dimensions (W x D x H)	482 x 680 x 86 cm
Weight	28 kg
Warranty	Three year warranty with next business day on site

HPE Pointnext

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

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