Hewlett Packard
Enterprise

HPE Integrity rx2800 i6 Server

Integrity Servers

What's new

- Intel® Itanium® 9700 series processor for higher performance.
- Supports the HPE XP7 Storage and HPE 3PAR All Flash Arrays for increased performance and lower TCO.
- Supports HP-UX 2017 Operating Environment Update Release which has enhancements in data management, virtualization, high availability, security, and private cloud management.

Overview

Is your branch office or data center server infrastructure challenged to support more users and applications within a constrained budget, smaller IT staff and limited space or energy footprint? Is downtime not an option, security paramount and IT dynamics mandate a flexible Converged Infrastructure (CI) that scales with your business? HPE Integrity rx2800 i6 Server, delivers enterprise level security in a 2U two-socket UNIX® server. An ideal fit for branch offices and rack-mount server data centers supporting a range of mission-critical workloads. Customers achieve platform longevity and investment protection with advanced processors that deliver backward compatibility,

while further enhancing performance with support of the HPE XP7 Storage and HPE 3PAR All Flash Arrays. Customers can also leverage the recent HP-UX innovations that include the Veritas 6.1 File system support, online HP-UX vPAR migration, Smart Quorum with HPE Serviceguard and HPE OpenStack support.

Features

Improved Platform Value with Enhancements in HP-UX and HPE Storage

The HPE Integrity rx2800 i6 Server extends mission-critical computing of the HPE Integrity and HP-UX platforms with support for the Itanium i6 servers through at least 2025.

Decreases IT TCO costs while boosting I/O workload performance by upgrading to the HPE XP7 and HPE 3PAR 8000 and 20000 series All Flash Storage Arrays.

Takes advantage of recent HP-UX innovations including: Veritas 6.1 File system support, online HP-UX vPAR migration, Smart Quorum with HPE Serviceguard and HPE OpenStack support for efficient data management and high availability.

Do More with Less

The HPE Integrity rx2800 i6 Server can scale-up to 16 cores, 384 GB of system memory, 9.6 TB of internal storage and 6 PCIe Gen2 I/O slots.

When you consolidate multiple applications on fewer servers you save on software licensing costs by using HP-UX Virtual Partitions (vPars) and HPE Integrity Virtual Machines (VMs).

Increases IT staff productivity through HPE Integrity Integrated Lights-Out 3 (ILO 3), HPE Insight Software Suite, HPE System Insight Manager (SIM), System Insight Display (SID) and use of common system components through Hewlett Packard Enterprise Converged Infrastructure (CI) design.

Be Safe and Sound

The HPE Integrity rx2800 i6 Server employs resiliency across the system stack error detection, correction and isolation for processor, cache, and main memory; hot-plug storage, N+N fans, and power supplies; virtualized workload migration and fault isolation with HP-UX Virtual Partitions (vPars).

HP-UX 11i v3 operating system with always-on resiliency features and HPE Serviceguard for local or long-distance high availability or disaster recovery (DR) to extend the safety.

Get in-server security features to support your organizational security policy. Store passwords and encryption keys with an optional Trusted Platforms Module (TPM), a hardware-based system security feature. Manage remote servers with SSL encryption (128-bit) of HTTP data over the network.

Rely on Hewlett Packard Enterprise Pointnext Services expertise to solve your complex infrastructure problems and keep systems running, no matter what.

Play It As You Like

The HPE Integrity rx2800 i6 Server can be deployed in rack-mount or tower form factors providing configuration flexibility. Start small with 4 cores, 8 GB memory, 300 GB storage, 2 I/O slots and expand to 16 cores, 384 GB memory, 9.6 TB storage and 6 I/O slots.

Carve out system computing, memory, I/O and storage resources to meet fluctuating user load requirements using HP-UX Virtual Partitions (vPars) and HPE Integrity Virtual Machines (VMs).

Tailor infrastructure and workload needs with 300 GB-1.2 TB disk drives, 200 GB-800 GB solid state drives (SSDs), converged network adapters, 10 Gb/s network adapters, 8 Gb/s Fibre Channel (FC) adapters, multi-function adapters, 6 Gb/s SAS controllers, Quad Data Rate InfiniBand and graphics adapter.

Technical specifications   HPE Integrity rx2800 i6 Server

Processor family	Intel® Itanium® 9700 series
Number of processors	2
Processor core available	8 or 4
Processor cache	32 MB L3 24 MB L3 20 MB L3
Processor speed	2.53 GHz
Graphic card	HPE Integrity rx2800 2D Graphics Adapter
Form factor (fully configured)	2U rack-optimized server or 2U tower form factor (with pedestal kit)
Form factor chassis	Tower or Rack
Maximum memory	384 GB
Memory type	DDR3 LRDIMM
Memory slots	24 DIMM slots
Memory protection features	Advanced ECC Patrol and Demand Scrubbing
Expansion slots	Max support of 6 I/O 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.
Network controller	(2) 4 Ports
Power supply type	2 HPE 1200W Platinum Plus hot plug power supplies
Infrastructure management	Insight Control with iLO Advanced (iLO 3)
Warranty	3/3/3—Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Additional information regarding worldwide limited warranty and technical support is available at: http://www.hpe.com/support/EnterpriseServers-Warranties. Additional Hewlett Packard Enterprise support and service coverage for your product that can be purchased locally. For information on availability of service upgrades and the cost for these service upgrades, refer to the Hewlett Packard Enterprise website at http://www.hpe.com/support

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.
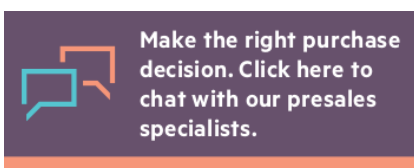
Operational Services

- **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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