

HPE Integrity Superdome 2 Server



What's new

- Supports the latest Intel Itanium 9700 series processor for higher performance.
- Supports the latest HP-UX 2017 Operating Environment Update Release which has enhancements in data management, virtualization, high availability, security and private cloud management.
- Supports the latest HPE XP7 Storage and HPE 3PAR All Flash Arrays for higher performance and lower TCO.
- Supports single instance memory support up to 8 TB to handle larger workloads.
- Supports Oracle 12c R1 RAC with

Overview

Has your data center become an inflexible, monolithic, hard-wired, under-utilized collection of systems and complex processes that require excessive manpower to operate? The HPE Integrity Superdome 2 Server family based on a blade design, a common network fabric, comprehensive cross-domain control and advanced power and cooling management delivers a mainframe replacement. The Hewlett Packard Enterprise Converged Infrastructure (CI) delivers consolidation, modernization, shared services and business continuity initiatives by simplifying, consolidating and automating everything from the start. It provides mission-critical scalability and reliability for the most demanding applications and workloads, while supporting up to thirty-two 8 core Intel® Itanium® 9700 processors. The HPE Integrity Superdome 2

Serviceguard Storage Management Suite for enhanced availability.

- Supports multiple generations of i2, i4 and i6 within the same enclosure in different nPars.

Server supports up to 8 TB of memory and has error correction code (ECC) and built-in redundancy, helping you take advantage of the performance benefits of Itanium processors.

Features

Improved server value with new innovations in HP-UX

Extend mission-critical computing of the HPE Integrity and HP-UX platform with the new i6 servers through 2025.

Take advantage of HP-UX innovations that include - New Veritas 6.1 File system support, Online HP-UX vPAR migration, Smart Quorum with Serviceguard and OpenStack support for efficient data management and high availability.

Decrease IT TCO costs while boosting IO workload performance by upgrading to the latest HPE XP7 and HPE 3PAR 8000 / 20000 series All Flash Arrays.

Investment protection with 3 generations of Itanium (i2, i4 and i6) coexisting together in same enclosure.

Designed for Mission-critical Data Centers

The HPE Integrity Superdome 2 Server delivers a unified blade architecture, from HPE X86 to HPE Superdome 2, using 8 core Intel Itanium 9700 series processors.

Gives you a highly resilient, modular bladed platform supporting up to 8 TB of memory with double-chip spare, ECC, and built-in redundancy for increased reliability.

Provides virtual fabric that can rapidly scale up, scale out and scale within, with up to 96 PCIe slots with 32 10GbE ports.

Blade-system Efficiency

The HPE Integrity Superdome 2 Server has common components used throughout, allowing customers to transition to the most up-to-date technology with ease.

The standard rack form is designed to fit into your data center environment.

The crossbar fabric allows scaling, so that I/O can scale independent of processors.

Power-on-once is a complete resiliency framework which keeps the system up and running without needing tools or powering down the system for upgrades and system changes.

Converged Infrastructure for the Most Demanding Environments

The HPE Integrity Superdome 2 Server provides a common modular infrastructure based on a blade design, which is a smarter and more reliable way to support all of your enterprise mission-critical applications.

A common network fabric provides a simple, flexible way to connect systems to the network on-the-fly.

Comprehensive cross-domain control automates operations to increase productivity and enhance utilization. Crossbar fabric is both flexible and fault tolerant, which significantly boosts infrastructure reliability.

Advanced power and cooling management controls energy usage and increases efficiency in real time.



Technical specifications**HPE Integrity Superdome 2 Server**

Processor family	Intel® Itanium® 9700 series
Number of processors	8 or 16 or 32
Processor core available	8
Processor cache	512 KB L2 32 MB L3 64 MB L4
Processor speed	2.66 GHz
Maximum memory	8 TB
Memory type	2R x4 PC3L-12800R-11
Memory protection features	ECC
Expansion slots	48 external PCIe x8 Gen2 96 external PCIe x8 Gen2 24 PCIe Mezzanine (16 Type II and 8 Type 1, PCIe x8 Gen2) 48 PCIe Mezzanine (32 Type II and 16 Type 1, PCIe x8 Gen2)
Power supply type	Redundant standard
Infrastructure management	HPE Insight Control with iLO Advanced (iLO 3)
Form factor (fully configured)	18U
Product dimensions	798 x 447 x 828 mm
Weight	274 kg
Warranty	1-year parts, 1-year labor, 1-year onsite support coverage. For more warranty information refer to http://h20564.www2.hp.com/hpsc/wc/public/home . Additional HPE 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 HPE website at http://www.hp.com/support .



[For additional technical information, available models and options, please reference the QuickSpecs](#)

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

[The Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

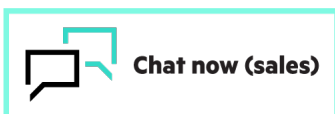
HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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