



HPE Integrity Superdome 2 Server

Integrity Servers



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.

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

- Supports single instance memory support up to 8 TB to handle larger workloads.
- Supports Oracle 12c R1 RAC with Serviceguard Storage Management Suite for enhanced availability.
- Supports multiple generations of i2, i4 and i6 within the same enclosure in different nPars.

most demanding applications and workloads, while supporting up to thirty-two 8 core Intel® Itanium® 9700 processors. The HPE Integrity Superdome 2 Server supports up to 8 TB of memory and has 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
Form factor (fully configured)	18U
Form factor chassis	Rack
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)
Minimum dimensions (H x W x D)	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 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 you evolve and grow today and into the future.

Operational Services

- **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 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 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.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

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.

Call for availability

