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DATASHEET

Hitachi Advanced Server HA810 G6

Purpose built for excellent performance, high density and power efficiency, this general-purpose dual-processor server delivers a balance of compute and storage capacity with the flexibility to power a wide range of solutions and applications.

FLEXIBLE POWER FOR SOLUTIONS

High Performance

HA810 G6 provides flexible memory and storage options to meet the needs of modern infrastructure solutions. The server provides Industry-leading Performance with Versatile Compute Via industry-standard technology leveraging the Intel Xeon Scalable processor with up to 86 cores, Gen5 NVMe and 4.0 TB of 6400 MT/s DDR5 Memory.

High Capacity Storage

Achieve greater capacity with flexible drive configurations with up to 10 Small Form Factor (SFF) drives delivering enhanced performance, capacity, and reliability to meet various customer segments and workload requirements at the right economics.

I/O Expansion

Full-height, low-profile, PCIe 5.0 expansion slots are available, as well as two OCP slots. In total the server supports up to 3 PCIe Gen5 expansion slots. This allows the HA810 G6 to be flexibly configured to optimize throughput, capacity and I/O performance for a wide range of enterprise applications.

Enterprise-Class Features

HA810 G6 server provides the reliability, availability and serviceability (RAS) features demanded by business-critical enterprise applications. The server's modular design simplifies cable routing and reduces service time. Redundant, hot-swap drives, fans and power supplies provide a resilient architecture for important applications.

Embedded Server Management

An integrated baseboard management controller allows HA810 G6 to be managed remotely and independently. A dedicated interface facilitates secure remote access through a LAN connection and provides a powerful, easy-to-use web console interface for remote initialization, management and configuration.

High Density and High Performance for Solution Workloads

With support of two Intel Xeon Scalable processors in just 1U rack space package, the Hitachi Advanced Server HA810 G6 delivers exceptional compute density. It provides flexible memory and storage options to meet the needs of modern infrastructure solutions as well as dedicated application platforms such as Virtual Desktop infrastructure or and high performance applications in the data center.

The Intel Xeon Scalable processor family is optimized to address the growing demands on today's IT infrastructure. The server provides 32 slots for high-speed DDR5 memory, allowing up to 4TB memory capacity support.

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Converged and Hyperconverged Infrastructure

HITACHI ADVANCED SERVER HA810 G6

Processor	Intel® Xeon6 Scalable Processor Family Max. Thermal Design Power (TDP) Support: up to 350W Number of Processors:2 processors Internal Interconnect: Up to 24 giga transfers per second (GT/s)
Form Factor	1U
Dimensions	SFF(Hybrid): 4.29 x 43.46 x 75.31 (77.31) cm / 1.69 x 17.11 x 29.65 (30.43) in
Weight(approximate)	SFF: Maximum: 19.94 kg (43.96 lb)
Storage	SFF (2.5" SAS/SATA/NVMe): standard: Up to 10
Memory	Total Slots: 32 Capacity / Memory type: Up to 4TB (32 x 128GB DDR5 RDIMMs)
Expansion Slot	Standard Primary riser: PCIe Gen5 x16 (full height, half length), x16 (low profile, half length) (*) slot variation can be changed by optional riser
Network Controller	Choice of OCP or stand up card, supporting a wide arrange of NIC adapters
Other I/O Interfaces	(1) Serial port(optional), (2) Display port (1 rear VGA, 1 front (optional)), (2) USB 2.0(front (optional), internal), (1) USB 3.2(front (iLO service port)), (3) USB 3.2 ports (2 rear, 1 internal)
Storage Controller	Performance RAID Controller: MegaRAID MR-series and Direct Attach option
Power Supply	(1+1) redundant, hot-plug power supply unit (PSU) Titanium1000W(100-240V ac), (Optional)Titanium 2200W(200-240V ac)
Fan	(7) High Performance fans, with fan redundancy supports processor up to 270w Closed-loop Liquid Cooling supports processor above 271w up to 350w
Noise	Performance mode: Idle, less than 38 dBA, Operating, less than 52 dBA (*) Measured in accordance with ISO 9296(ECMA 109). Acoustics levels will vary depending on system configuration.
Video	Integrated 1920 x 1200 DPI 60Hz (32bpp) with 16MB of video memory
System Management	iLO 7 - Monitor user's servers for ongoing management, service alerting, reporting and remote management with restful API UEFI Configure and boot user's servers securely with industry standard UEFI
Operating Environment	Altitude: Operating 3050m (10,000ft) non-Operating 9144m (30,000ft)
	Operating relative humidity: 8% to 90% RH 28°C maximum wet bulb temperature, non-condensing
	Non-operating relative humidity: 5% to 95%RH 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing
	Operating temperature: 10°C to 35°C at sea level, with an altitude derating of 1.0°C per every 305 m (1.8°F per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight
Trusted Platform Module (TPM)	TPM 2.0 Support

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Hitachi Vantara solves digital challenges by guiding you from what's now to what's next. Our unmatched industrial and digital capabilities benefit both business and society.

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