DATASHEET

Hitachi Advanced Server HA840 G3

Purpose built for high performance and capacity, this general-purpose quad-processor server delivers a balance of compute and memory capacity with the flexibility to power high performance solutions and applications.

FLEXIBLE POWER FOR SOLUTIONS

High Performance

HA840 G3 provides flexible memory and storage options to meet the needs of modern infrastructure solutions, as well as for dedicated application platforms and High performance data appliances. The Intel Xeon Scalable processor family is optimized to address the growing demands on today's IT infrastructure. The server provides Industry-leading Performance with Versatile Compute Via industry-standard technology leveraging the Intel Xeon Scalable processor with up to 60 cores, 24G SAS and 8.0TB of 4800MT/s DDR5 memory.

High Capacity Memory and Storage

Achieve greater capacity with flexible drive configurations up to 16 Small Form Factor(SFF) drives along with the option to support up to 64 DDR5 RDIMMs 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, two OCP and PCIe5.0 expansion slots are available.

In total the server supports up to 6 PCIe Gen5 expansion slots. This allows the HA840 G3 to be flexibly configured to optimize throughput, capacity and I/O performance for a wide range of enterprise applications.

Enterprise-Class Features

HA840 G3 server provides the reliability, availability and serviceability(RAS) features demanded by business-critical enterprise applications. The server's modular design simplifies cabling and reduce service time, Redundant, hot-swap drives and power supplies provide a resilient architecture to ensure continuous operations for important applications.

Embedded Server Management

An integrated based management controller allows HA840 G3 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 Scalability and Performance for Solution Workloads

With a combination of four Intel Xeon Scalable processors and high memory capacity in a 2U rack space package, the Hitachi Advanced Server HA840 G3 delivers the extreme core counts, large memory capacity and plenty of I/O to meet the needs of converged solutions 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 64 slots for high-speed DDR5 memory, allowing up to 8TB memory capacity.

Learn More →

Converged and Hyperconverged Infrastructure

HITACHI ADVANCED SERVER HA840 G3

Processor	4th Gen Intel® Xeon® Scalable Processor Family Max. Thermal Design Power (TDP) Support: 350W Number of Processors: 4 processors Internal Interconnect: 16 giga transfers per second (GT/s)
Form Factor	2U
Dimensions	SFF: 8.75 x 43.3 x 80.6 cm / 3.4 x 17.05 x 31.75 in
Weight(approximate)	SFF: Maximum: 36.93 kg (81.42 lb)
Chipset	Intel C741 Chipset(Code Name: Product formerly Emmitsburg)
Storage	SFF (2.5" SAS/SATA/NVMe): standard: 8
Memory	Total Slots: 64 Capacity / Memory type: Up to 8TB (32 x 128GB DDR5 RDIMMs)
Expansion Slot	Standard Primary riser: PCIe Gen5 x8(full height, full length), x16(full height, full length), x8(full height, full 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) Rear serial port(optional), (2) Display port (1 rear VGA, 1 front optional via UMB), (3) USB 2.0(2 front optional via UMB, 1 internal), (4) USB 3.2 ports (1 front, 2 rear, 1 internal)
Storage Controller	Performance RAID Controller: MegaRAID MR-series (optional) and Direct Attach option
Power Supply	(2+2) redundant, hot-plug power supply unit (PSU) Titanium2200W(200-240V ac), (Optional)Titanium 1000W(100-240V ac)
Fan(Thermal)	(5) High Performance fans kit with Liquid cooling assist supports processor up to 350w
Noise	Performance mode: Idle, less than 39 dBA, Operating, less than 49 dBA (*) Measured in accordance with ISO 9296(ECMA 109). Acoustics levels will vary depending on system configuration.
Video	Integrated 1920 x 1200 @ 60Hz (32bpp) with 16MB of video memory
System Management	iLO 6 - 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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