Hitachi Vantara

DATASHEET

Hitachi Advanced Server HA805 G3

Optimized for high performance and capacity, this AMD powered, 1U, single-processor, rack server delivers a balance of compute and storage capacity with the flexibility to power a wide range of solutions and applications.

The right fit for your Solutions

Flexible High-Capacity Storage

The HA805 G3 supports up to eight (8) 2.5-inch drives with a maximum storage capacity of 122TB. To better match your requirements, we offer 300GB SAS 15K drives to the newest 15.36TB NVMe PM1733a drives. An additional 480GB can be added with the M.2 boot drive kit.

I/O Expansion

A single Full-height, Full- Length (FHFL) PCIe 5.0 slot plus a secondary Low Profile or PCIe 5.0 slot along with two (2) OCP 3.0 slots allows for plenty of options.

Enterprise-Class Features

HA805 G3 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 swappable drives and power supplies provide a resilient architecture
for important applications, and available liquid cooling helps ensure continuous operation during peak demand.

Energy Efficiency

When replacing older or growing new infrastructure, the new HA8x5 G3 server line can reduce your energy footprint due to the higher core counts available per processor than the competition. Each 4th Gen AMD EPYC™ 96 core processor can replace two equivalent Intel processors when core count is the driving need, thereby reducing server count. AMD EPYC™ CPUs help minimize environmental impacts from data center operations while advancing your company's sustainability objectives.

High Performance from the all new 4th Generation AMD EPYC™ Processors with up to 96 cores

From on-prem to cloud, for businesses of all sizes, AMD EPYC™ processor-powered solutions deliver breakthrough results regardless of your deployment model or workload type. Ask your Hitachi Vantara Sales professional about the AMD EPYC™ powered solution today.

TABLE 1: HITACHI ADVANCED SERVER HA805 G3

Specifications	
Processor	• 4th Gen AMD EPYC processor family • 1MB L2/Core, Up to 32MB L3/CCD • 128 PCIe 5.0 Lanes • 64 IO Lanes support CXL1.1+ with bifurcations supported down to x4
Form Factor	• 1U
Dimensions	• H x W x D (inch): 1.69 X 17.11 X 25.57 • H x W x D (cm): 4.29 X 43.46 X 64.94
Chipset	• No chipset – System on Chip (SoC) design
Storage	• Eight (8) 2.5" hot-plug NVMe SSD's • Eight (8) 2.5" hot-plug SATA or SAS drives • Two (2) hot-swap 480GB in RAID 1, M.2 Drives
Memory	• Total Slots: Twelve (12) DDR5 RDIMM slots, 12 Channels per processor, 1 DIMM per channel • Capacity: Up to 3TB (12x256GB) • Memory Type: 4800MT/s DDR5 • Memory Size: 32GB, 64GB, 96GB, 128GB and 256GB
Expansion Slot	• Primary (Default) Riser- PCIe 5.0, Bus width X16, Connector width X16, Full Height and Full Length • Secondary (optional) Riser- PCIe 5.0, Bus width X16, Connector width X16, Low Profile (Requires NA204i-u Boot Device) • Two (2) OCP 3.0 slots available.
Network Controller	• Dedicated 1 GbE management port • Optional Network Interface Controller Add in Cards
Front I/O	• Two (2) USB 3.2, One (1) Power Button and LED, Health LED, NIC status LED, Unit ID button/LED
Storage Controller	• Multiple Smart Array Controllers supported up to SR932i-p x32 lanes 8GB Wide Cache, PCI • RAID 1 supported on the NS204i-u boot optimized storage device • Single NS204i-u kit supported
Power Supply	• Redundant hot-plug Platinum 800W or 1600W AC PSU • Redundant hot-plug Titanium 1000W or 1800-2200W AC PSU
Cooling	• Seven (7) Performance fans. • Liquid cooling kit required for processors over 300W
Video	• Video modes up to 1920 x 1200@60Hz (32 bpp) and 16MB video memory
System Management	• iLO 6 ASIC
Rear I/O	• Two (2) USB 3.1, One (1) VGA, One (1) dedicated management port, Unit ID LED

TABLE 1: CONTINUED

Specifications	
Operating Environment	• Operating temperature: 10° to 35°C (50° to 95°F) at sea level • Non-operating temperature: -30° to 60°C (-22° to 140°F) • Operating relative humidity: 8% to 90%RH. • Non-operating relative humidity: 5% to 95%RH
Security	• UEFI 2.9, UEFI Class 3 implementation, FIPS 140-3 validation, TPM (Trusted Platform Module) 2.0 option
Weight (Max. Configuration)	• 40KG

ABOUT HITACHI VANTARA

Hitachi Vantara, a wholly-owned subsidiary of Hitachi Ltd., delivers the intelligent data platforms, infrastructure systems, and digital expertise that supports more than 80% of the Fortune 100. To learn how Hitachi Vantara turns businesses from data-rich to data-driven through agile digital processes, products, and experiences, visit hitachivantara.com.

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