

Inventec

NX-H3321

2U Edge AI Server

Open, Smart, Agile



Highlights

- Deliver a compact motherboard with high-performance architecture for enhanced AI computing.
- Supports dual AMD EPYC™ Genoa (up to 400W) and Turin (up to 500W) processors.
- Features 24 DDR5 DIMM slots, supporting up to 4800 MHz.
- Designed for Cluster Computing, Distributed Deep Learning, and Vertical AI Computing.

High CP Value Edge AI Server

The NX-H3321 2U AI server delivers cost-effective FPS/TOPS performance with low power consumption. Supports up to 128 PCIe Gen5 lanes for efficient data transfer in vertical AI applications.

High-Efficiency I / O & Management

Features tool-free assembly for HDD trays, fans, top cover, and rack mounts. Includes 2 M-Key slots for 2280/22110 M.2 SSDs with Software RAID. Supports 2.5" 4-port 6 Gbps U.2/SATA drives. Equipped with a 1GbE RJ45 management port, 6 x 6056 cooling fans, and up to 3300W CRPS hot-swappable power supplies.

Versatile AI Computing

Supports AI vision, LLM/VLM, and vertical applications. Enables Distributed Learning with OCP 3.0 and SmartNIC for high-performance network connectivity in Edge AI Computing.

NX-H3321 | Product Specifications

Processor	Dual AMD EPYC™ Genoa (up to 400W) & Turin (up to 500W)
Memory	<ul style="list-style-type: none"> • 24x DIMM slots • Max. DIMM Frequency 4800 MHz • Support DDR5 RDIMM/3DS DIMM 32 / 64 / 96 / 128 / 258 GB
Storage	2 x M.2 2280/22110 (OS, soft RAID), 4 x SFF bays
Expansion	4 x SS FHFL or 2 x DW FHFL (PCIe Gen5 x16)
Management	1 x RJ45 (1 GbE) for management
Network	OCP3.0 & SmartNIC support
Power Supply	CRPS, 1+1 Active-Active
Cooling FAN	6 x 6056 fans



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About Inventec Data Center Solutions (Inventec EBG)

Inventec Data Center Solutions (Inventec EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems in Inventec Corporation. Over decades, Inventec EBG has been the key server system supplier of the global branding clients.

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