

Inventec

NX-H1323

2U Edge AI Server

Open, Smart, Agile



Highlights

- Deliver a compact motherboard with high-performance architecture for enhanced AI computing.
- Streamline storage removal with an intelligent cage design for easy system detachment.
- Optimize RAM allocation with increased CPU cores, making RAM expansion via CXL essential.

Unparalleled Small and Smart Specialty

Short-depth, flexible I/O design creates a compact 2U form (438 x 558.8 x 87.2 mm) that fits standard 800mm racks, overcoming installation limits. Supports high-performance computing with multiple Gen5 PCIe slots, ideal for smart factories, buildings, and mission-critical applications like military training simulations.

Impressive System Computing Power

Powered by AMD EPYC™ 9004 series processors, it delivers high core counts and energy-efficient performance for Edge AI inference. Supports next-gen AMD BERGAMO and TURIN CPUs via a simple BIOS update.

Easy GPU Installation with Riser Card

A quick-release riser card design allows hassle-free GPU installation by removing the cable connector and unlocking three plungers. The M.2-connected riser supports GPU and other PCIe card applications for enhanced flexibility.

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NX-H1323 | Product Specifications

Dimensions	<ul style="list-style-type: none">• 438 x 558.8 x 87.2 (mm)• 17 x 22 x 3.4 (inch)
Drive Bays	<ul style="list-style-type: none">• External: E1.S 8-bay (9.5mm), E3.S 8-bay (7.5mm), U.2 4-bay (2.5")• Internal: 2 x M.2 PCIe Gen5 X4
Processor	4th Gen AMD EPYC™ (Genoa), up to 4TB DDR5 4800MHz, 8 memory slots
Expansion Slots	1 x PCIe Gen5 X16 (HHHL), 2 x PCIe Gen5 X8 (FHHL), 2 x PCIe Gen5 X16 (FHFL), 1 x OCP 3.0 Mezz. PCIe Gen5 X16
Backplane	1 x 8-port E1.S (9.5mm) / E3.S (7.5mm), 2 x 2-port U.2 (2.5")
Rear I/O	1 x RJ45 (BMC), 2 x USB 3.0, 1 x COM, 1 x Mini DP, 1 x ID LED
On-board Devices	2 x SATA3 (RAID 0/1), IPMI 2.0 (AST2600), BCM5720 (BMC NIC), RTL8211F GbE (BMC Mgmt), Graphics: 1920x1200 @ 60Hz
Power Supply	1600W (Redundant/Single), 1200W 1+1, 1600W/1200W (Training), 1200W DC
System Cooling	4 x 6056 fans (redundant), 2 x 4028 fans (back, EDSFF)



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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