

Accelerating Edge AI and Data Analytics at Scale



HPS-GNRU4A

Intel® Xeon® 6 Platform Delivers Powerful Computing for AI and Edge Computing

Modern enterprise environments face significant data processing bottlenecks and latency when routing massive, real-time datasets from edge devices to centralized cloud infrastructure. The HPS-GNRU4A 4U rackmount server addresses these challenges by delivering high-density compute and scalable expansion directly at the edge. Powered by the Intel® Xeon® 6 platform, it processes complex AI workloads, deep learning inference, and high-throughput data analytics locally with ultra-low latency and maximum data privacy.

Designed for demanding edge environments, the HPS-GNRU4A features flexible PCIe expansion, multi-drive storage options, and robust thermal management. By reducing bandwidth costs and eliminating cloud dependence, it empowers organizations to accelerate decision-making, optimize operational efficiency, and maintain continuous, reliable operations in mission-critical deployments.



High-density 4U server powered by the Intel® Xeon® 6 platform for intensive edge AI workloads.

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Xeon® 6 Platform



OpenVINO™ Toolkit



Intel® Arc™ Graphics

Key Features

Empowered by Intel.



Intel® Xeon® 6
Powered



Enterprise
Reliability



High GPU
Expansion



Low-Latency
Edge AI

Avalue HPS-GNRU4A



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	LGA4710 Socket supports Intel® Xeon® 6 6500P/6700P/6700E-Series Processor (Max. TDP at 350W)
Graphics	AST2600 BMC controller; 1 x VGA port - 1920 x 1200 @ 60Hz, 32bpp
Memory	8 x DDR5 6400 MHz RDIMM & 8000 MHz MRDIMM Up to 2TB
Storage	2 x M.2 M-Key slots to support 1 x PCIe 5.0 x4 NVMe SSD from 1st CPU 2260/2280/22110 form factor; 3 x Front accessible 2.5" storage bays
LAN	4 x RJ45 MGMT port for dedicated IPMI access only LAN1 port for 1GbE shared with IPMI access LAN2 and 3 ports for 10GbE
Operating / Storage Temp.	0 ~ 35°C / -40°C ~ 70°C
Dimension (W x D x H)	19" 4U Chassis 430mm x 528mm x 174.8mm / 482.6mm x 528mm x 174.8mm (with ear mount)
Weight	19.5KG
OS	Windows 11 SAC and LTSC; Windows Server 2025; Ubuntu 24.04 LTS or later; wirRed Hat Enterprise Linux (RHEL)
I/O Options	Front I/O - USB: 2 x USB 3.2 Gen1 ports / LED Indicator: 1 x Power status indicator, 1 x Disk activity indicator, 1 x Network activity indicator Rear I/O - USB: 2 x USB 3.2 Gen1 ports / COM Port: 1 x RS232 port / VGA: 1 x VGA port / RJ-45: 4 x RJ45, MGMT port for dedicated IPMI access only, LAN1 port for 1GbE shared with IPMI access, LAN2 and 3 ports for 10GbE

Learn More

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