



iX-1212A (Gen 4)

1U Dual Intel® Xeon® Scalable Processors (4th Gen)



MOTHERBOARD

Processor Support	Dual Intel® Xeon® LGA 4677 Scalable Gen4 Processors (Sapphire Rapids)
Chipset	Intel® C741 Chipset
System Memory (Max)	Up to 4 TB Registered ECC DDR5 4800MHz SDRAM; 32 DIMM slots
Networking	Dual 10 GbE X710-AT2
PCIe Networking Options	Optional 10 Gbe, 25 Gbe, 40 Gbe, 100 Gbe Ports Available
VGA/BMC	ASPEED AST2600 BMC
Remote Management	Redfish API, IPMI 2.0; KVM with dedicated LAN

CHASSIS

Form Factor	1U Rackmount
Dimensions	842.5mm x 439.5mm x 44mm

STORAGE

Onboard Storage Controller	Intel® SATA (6 Gbps) controller + NVMe controller
RAID Controller Options	Optional Hardware RAID or SAS HBA Available
Drive Bays	12 × 2.5" Hot-Swap NVMe/SATA/SAS drive bays

EXPANDABILITY

Expansion Slots	2 x PCI-E 5.0 ×16 FHFL, 1 x PCI-E 5.0 ×18 LP HHHL, 1 x PCI-E 5.0 ×16 OCP
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POWER

Power Supply	2 × 1600W Redundant high-efficiency power supplies with I2C & PMBus
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Key Applications

- Virtualization
- HPC
- CDN, Edge Nodes
- Gateway, provisioning servers
- Storage Headnode
- Cloud Computing

Outstanding Features

- 32 DIMM slots - Up to 4 TB total memory
- 12 × 2.5" Hot-Swap NVMe/SATA/SAS drive bays
- 2 x PCI-E 5.0 slots x16 slots
- 1 x PCI-E 5.0 ×16 OCP
- 1 x PCI-E 5.0 ×16 LP slot
- 2 x M.2 slots