MIS-5131A-2U2 NVMe HA Server

AEWIN Technologies Co., Ltd.

MIS-5131-2U2 is a 2U 2-Node HA server with single Intel Xeon6 processor (Granite Rapids-SP) per node, 8x DDR5 RDIMMs per node, 3x PCIe Gen5 x16 slots per node, and total 24x 2.5" pluggable NVME SSDs.

Features

- Support Single Intel Xeon 6 Processor (Granite Rapids-SP), LGA-4710
- 8x DDR5 6400 RDIMMs per node
- 3x PCIe Gen5 x16 slots per node
  (2x FHFL, 1x LP or 1x Dual Width FHFL, 1x LP)
- 24x NVME SSDs.
- Support BMC/IPMI
- 1+1 2KW CRPS

CLOUD   EDGE AI   STORAGE

Description

MIS-5131-2U2 is a 2U 2-Node HA server. Each node supports single Intel Xeon6 Processor (Granite Rapids-SP), 8x DDR5 slots, 24x 2.5" NVME SSDs, and 3x PCIe Gen5 x16 slots for high availability. There is optional dual width PCIe Gen5 x16 slot available for GPU/FPGA cards to achieve intensive AI workloads. It supports IPMI function to simplify local/remote management.

The dual node setup in a single chassis allows for seamless failover between nodes and the horizontal placement enables optimized thermal dissipation to allow CPU running with high TDP up to 350W. For redundant failover, the two nodes of MIS-5131 are interconnected via NTB (Non-Transparent Bridge) operating at PCIe Gen5 speeds (32GT/s). Combining with inter-node monitoring from BMC for high availability, MIS-5131 is suitable for mission critical storage applications.

Specifications

▼ Processor System

CPU	Intel Xeon6 Processor (Granite Rapids-SP), LGA 4710 1P per node
Chipset	SOC Integrated
BIOS	AMI 64Mb SPI BIOS

▼ Memory

Technology	8x DDR5 6400 RDIMMs per node
Capacity	Up to 768 GB per node

▼ Expansion

Onboard Expansion Slots	· 1x Dual Width FHFL PCIe5 x16 slot,
	  1x LP PCIe5 x16 slot
	or
	· 2x Single Width FHHL PCIe5 x16,
	  1x LP PCIe5 x16 slot

▼ I/O

USB	2x USB3.0 per node
Serial	1x DB9 per node
Display	1x VGA per node

▼ Ethernet

GbE Ethernet	· 1x RJ45 1GbE IPMI management port through AST2600 BMC · 2x RJ45 10GbE ports

▼ Storage

Storage	Up to 24x Hot Swap NVME 2.5"
M.2	2x M.2 2280 per node

▼ Power Supply

Watt	1+1 2000W CRPS Redundant

▼ Mechanical and Environment

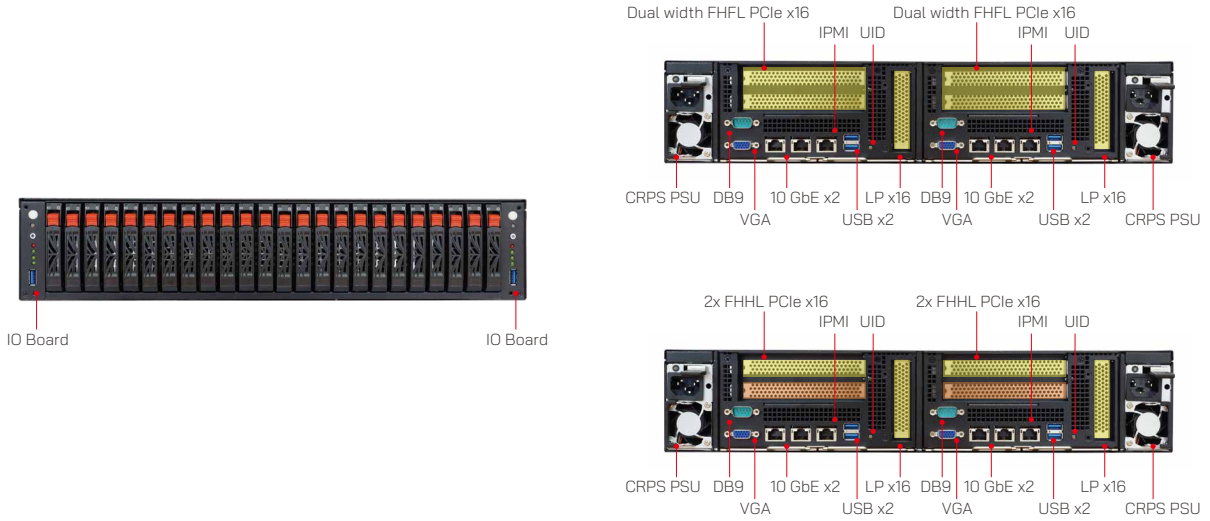|	
Form Factor	2U Rackmount
LED	Each node: 1x Power button with LED (Green) 1x Reset LED (Blue) 1x UID Button with LED (Blue) 1x Status LED (Red) 2x 10G LAN LED (Green) 1x IPMI mgmt LED (LED)
Dimension (W x D x H)	440mm(W) x 780mm(D) x 88 mm(H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	0 ~ 85% relative humidity, non-operating, non-condensing
Weight	TBD kg
Certification	CE, FCC, LVD

▼ Packing List

- 1x MIS-5131A-2U2
- 2x power cords
- Console cable + RJ45 cable

Ordering Information

MIS-5131A-2U2	2U2N Rackmount, 2U heatsink, TDP 350W, dual Intel GNR-SP, 16 DDR5 RDIMM slot, 6 PCIe x16 slot for add-on card, 24x 2.5" NVME SSD cage, 4 M.2 socket, 2 RJ45 GbE(IPMI), 4 RJ45 10GbE, 4 USB 3.0, 2 VGA, 2 DB9, 2 UID

I/O

IO Board   IO Board

Dual width FHFL PCIe x16 · IPMI · UID · Dual width FHFL PCIe x16 · IPMI · UID
CRPS PSU · DB9 · VGA · 10 GbE x2 · USB x2 · LP x16 · DB9 · VGA · 10 GbE x2 · USB x2 · LP x16 · CRPS PSU

2x FHHL PCIe x16 · IPMI · UID · 2x FHHL PCIe x16 · IPMI · UID
CRPS PSU · DB9 · VGA · 10 GbE x2 · USB x2 · LP x16 · DB9 · VGA · 10 GbE x2 · USB x2 · LP x16 · CRPS PSU

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