

BIS-5222-4U

General Purpose(Storage) Server

AEWIN Technologies Co., Ltd.

4U Rackmount Dual 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform) Storage Server, supporting 16x DDR4 (up to 3200MHz), 24x 3.5" Hot-Swap HDD, 5x PCIe Gen4 slots, 2x 2.5" SSD (optional), 1x 1GbE IPMI, 2x USB 3.0/2.0, 2x 10GbE, 1x VGA, 1x M.2 (optional)



Features

- Support Dual 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform)
- 16x DDR4 RDIMM memory, up to 3200MHz
- Support Intel QAT (by SKU)
- 1x 1GbE RJ45 IPMI port, 2x 10GbE RJ45 ports, 2x HHHL PCIe Gen4 x8 slots, 3x HHHL PCIe Gen4 x16 slot
- 24x 3.5" Hot-swap SATA/SAS, 2x 2.5" SSD (optional), 1x M.2 (optional)
- Optional Intel PFR / AEWIN TSB V2 module

Description

BIS-5222-4U is a 4U 24Bays Storage Server System with dual 3rd Gen Intel® Xeon® Scalable processor (Ice Lake/ Whitley platform). Refreshed CPU microarchitecture provides Higher performance and 16 DIMMs (1DPC) to support high memory bandwidth & capacity. In addition to 24x 3.5" hot-swap storage bays, BIS-5222-4U also support 2x internal SSD or optional M.2. With total 64 lanes PCIe 4.0 (16GT/s) per CPU, BIS-5222 provides flexible and scalable I/O scalability including 5x PCIe Gen4 slots.

Specifications

Processor System

CPU	Dual 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform)
Chipset	Intel® C621A/C627A
System Bus	UPI Up to 3 links per CPU (11.2 GT/s)
BIOS	AMI 64Mb SPI BIOS

Memory

Technology	Total 16 DIMMs (16x memory channels, 1x DIMMs per channel) --DDR4 RDIMM up to 3200 MHz, 384GB per DIMM
Capacity	RDIMM up to 6TB

Expansion

Onboard Expansion Slots	3x HHHL PCIe Gen4 x16 slots 2x HHHL PCIe Gen4 x8 slots
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I/O

USB	2x USB 3.0 (Rear I/O) 2x USB 3.0 (MB reserved PIN header) 4x USB 2.0 (MB reserved PIN header)
Serial	2x COM Port pin header

Ethernet

GbE Ethernet	2x RJ45 10 GbE ports, 1x RJ45 1GbE IPMI port
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Storage

SATA	24x 3.5" Hot-swap HDD
M.2/SATA	Maximum HSIO x2 for boot drive: 2x 2.5" SSD or 1x SATA M.2 (2280 M-key) + 1x 2.5" SSD or 1x PCIe x1 M.2 (2280 M-key) + 1x 2.5" SSD through multiplexer

Power Supply

Watt	CRPS Redundant 800W
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Mechanical and Environment

Form Factor	4U Rackmount Storage Server
LED	1x Power Button/LED 1x ID Button/LED 1x Reset Button 1x System error LED 1x IPMI LAN LED
Dimension (W x D x H)	440mm(W) x 640mm(D) x 176 mm(H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	10 ~ 85% relative humidity, non-operating, non-condensing
Weight	TBD kg
Certification	CE/FCC

Packing List

- 1x BIS-5222A/B-4U
- Accessory Box
- 2x power cord (US), 3x RJ45 LAN Cables, VGA Cable, 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

Ordering Information

BIS-5222A-BC4 (4U) 4U Rackmount Dual 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform) and Intel®C621A PCH Storage Server, supporting 16x DDR4 (up to 3200MHz), 24x 3.5" Hot-Swap HDD, 5x PCIe Gen4 slots, 2x 2.5" SSD (optional), 1x 1GbE IPMI, 2x USB 3.0/2.0, 2x 10GbE, 1x VGA, 1x M.2 (optional)

BIS-5222B-BC4 (4U) 4U Rackmount Dual 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP / Whitley platform) and Intel®C627A PCH Storage Server, supporting 16x DDR4 (up to 3200MHz), 24x 3.5" Hot-Swap HDD, 5x PCIe Gen4 slots, 2x 2.5" SSD (optional), 1x 1GbE IPMI, 2x USB 3.0/2.0, 2x 10GbE, 1x VGA, 1x M.2 (optional)

Optional

OT006A Intel PFR Module

OT006B AEWIN RoT Module

I/O

