

# 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, 1 x 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

