

BIS-5121-2U

General Purpose(Storage) Server

AEWIN Technologies Co., Ltd.

2U Rackmount Single 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform) Storage Server, supporting 8x DDR4 (up to 3200MHz), 12x 3.5" Hot-Swap HDD, 3x 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 Single 3rd Gen Intel Xeon Scalable Processor (Ice Lake-SP), LGA4189
- 8x DDR4 RDIMM/LRDIMM memory, up to 3200 MHz
- Support Intel QAT (by SKU)
- 1x 1GbE RJ45 IPMI port, 2x 10GbE RJ45 ports, 1x FHFL PCIe Gen4 slot, 1x FHHL PCIe Gen4 slot
- 12x 3.5" SATA, 1x M.2 M Key
- Optional Intel PFR/AEWIN TSB V2 module

Description

BIS-5121-2U is a 2U 12Bays Storage Server System with single 3rd Gen Intel® Xeon® Scalable processor (Ice Lake/ Whitley platform). Refreshed CPU microarchitecture provides Higher performance and 8 DIMMs (1DPC) to support high memory bandwidth & capacity. In addition to 12x 3.5" hot-swap storage bays, BIS-5121-1U also support 2x internal SSD or optional M.2. With total 64 lanes PCIe 4.0 (16GT/s) per CPU, BIS-5121 provides flexible and scalable I/O scalability including 3x PCIe Gen4 slots.

Specifications

▼ Processor System

CPU	Single 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 8 DIMMs (8x memory channels, 1x DIMM per channel) --DDR4 RDIMM up to 3200 MHz, 256GB per DIMM
Capacity	RDIMM up to 3TB

▼ Expansion

Onboard Expansion Slots	1x HHHL PCIe Gen4 x16 slot 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	12x 3.5" Hot-swap HDD
M.2/SATA	Maximum HSIO x2 for boot drive: - 2x 2.5" SSD or - 1x PCIe x2 M.2 (2280 M-key) 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	2U 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 88 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	21 kg
Certification	CE/FCC

▼ Packing List

- 1x BIS-5121A/B-2U
- Accessory Box
- 1x power cord (US), 3x RJ45 LAN Cables, VGA Cable, 1 x CD (Manual, Quick Installation Guide, Utilities & Drivers)

Ordering Information

BIS-5121A-2U 2U Rackmount Single 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP/ Whitley platform) and Intel®C621A PCH Storage Server, supporting 8x DDR4 (up to 3200MHz), 12x 3.5" Hot-Swap HDD, 3x 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-5121B-2U 2U Rackmount Single 3rd Gen Intel® Xeon® Scalable Processor (Ice Lake-SP / Whitley platform) and Intel®C627A PCH Storage Server, supporting 8x DDR4 (up to 3200MHz), 12x 3.5" Hot-Swap HDD, 3x 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

