

BIS-5132-2U

General Purpose Server

AEWIN Technologies Co., Ltd.

BIS-5132-2U is a 2U General Purpose Server with single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest-SP), 8x DDR5 6400MHz RDIMM, 8x PCIe slots, 12x hot-swappable HDDs/SSDs, 2x 2.5" hot-swappable NVMe SSDs, 1x 1GbE MGMT RJ45, 2x 10GbE RJ45, 1x USB 3.1, 1x Console, 2x M.2



Features

- Support Single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest-SP), LGA-4710
- 8x DDR5 R-DIMM, up to 6400MHz
- Support Intel QAT
- 2x 10GbE RJ45, 8x PCIe Slots
- 1x 1GbE MGMT RJ45 shared with IPMI
- 12x hot-swappable 3.5"/2.5" SAS/SATA/NVMe, 2x 2.5" hot-swappable NVMe, 2x M.2 M Key
- 1x TPM2.0

Description

The BIS-5132-2U is a versatile 2U server powered by a single Intel Xeon 6 Scalable Processor (Granite Rapids SP/Sierra Forest SP) which provides remarkable performance with up to 86 performance cores or 144 efficiency cores. It features eight channels of DDR5 RDIMM, supporting speed up to 6400 MHz.

Leveraging up to 136 PCIe5.0 lanes provided by Intel Xeon 6 Granite Rapids SP R1S, the BIS-5132 offers outstanding expandability with up to eight PCIe slots, ideal to accommodate high-end GPU accelerators and high-throughput network interface cards. In addition to 12x 3.5-inch drive bays, the system supports two hot-swappable 2.5-inch NVMe SSDs and two M.2 slots for boot drives or added storage.

Designed for maximum flexibility, the BIS-5132-2U provides a rich set of I/O options, including two 10GbE RJ45 ports, one 1GbE management port, an RJ45 console port, USB 3.1, VGA, and full LED indicators for power, HDD/SSD status, and user-defined GPIOs to support diverse applications.

Specifications

▼ Processor System

CPU	Single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest-SP)
BIOS	AMI UEFI BIOS

▼ Memory

Technology	8x DDR5 RDIMM Slots, up to 6400MHz
Capacity	Up to 2TB

▼ Expansion

Onboard Expansion Slots	Up to 8x PCIe slots* (6x FHHL, 2x HHHL) *: SKU with 12+2 NVMe storage bays only support 4x FHHL PCIe slots
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▼ I/O

USB	External: USB3.1 at Front Internal: 2 USB3.1 Pin Header
Console	1x RJ45 Console Port (COM1) 2x Pin Header (COM2/COM3)

▼ Ethernet

GbE Ethernet	1x GbE management port 2x 10GbE RJ45 ports
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▼ Storage

SATA	12x 3.5"/2.5" hot-swappable SATA/NVMe 2x hot-swappable 2.5" NVMe
Internal SATA port	4x SATAIII
M.2	2x M.2 2280/22110 M Key

▼ Power Supply

Watt	1+1 CRPS 1600W Redundant power supply
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▼ Mechanical and Environment

Form Factor	2U Rackmount General Purpose Server
LED	1x Power button with LED (Green) 1x UID LED (Blue) 1x User Defined GPIO LED (Yellow) 4x BMC status LEDs (Red)
Dimension (W x D x H)	438mm(W) x 670mm(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	TBD
Certification	CE/FCC

▼ Packing List

- 1x BIS-5132-2U
- 2x power cord

Ordering Information

BIS-5132-2U 2U General Purpose Server, Single GNR-SP/SRF-SP
Intel Xeon6, 8x DDR5 RDIMM, 8x PCIe slots, RJ45
Console, 1x 1GbE MGMT, 2x 10GbE RJ45, USB 3.1, 2x
M.2, 12x 3.5", 2x 2.5"

I/O

