

BIS-5231-2U

General Purpose Server

AEWIN Technologies Co., Ltd.

BIS-5231-2U is a 2U General Purpose Server with Dual Intel Xeon 6 Scalable Processors (Granite Rapids-SP/Sierra Forest), 16x DDR5 6400MHz RDIMM, 8x PCIe Gen5 slots, 1x OCP 3.0 PCIe Gen5 slot, 12x hot-swappable SAS/SATA/NVMe, 1x 1GbE IPMI, RJ45, 4x 10G RJ45, 2x USB 3.1, 1x Console, 1x VGA, 2x M.2



Features

- Support Dual Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest), LGA-4710
- 16x DDR5 R-DIMM, up to 6400MHz
- Support Intel QAT
- 1x 1GbE RJ45 IPMI port, 4x 10GbE RJ45 ports, 8x PCIe Gen5 slots, 1x OCP3.0 PCIe Gen5 slot
- 12x hot-swappable 3.5" SATA/2.5" NVMe, 2x M.2 M Key
- 1x TPM2.0

Description

BIS-5231-2U is a 2U, 12-bay storage server/general purpose server powered by Dual Intel Xeon 6 Scalable Processors (Granite Rapids-SP/Sierra Forest). The new generation platform provides remarkable performance through a multi-core CPUs up to 86 P-cores or 144 E-cores.

BIS-5231-2U is equipped with 16x channels of DDR5 RDIMM slots with speeds up to 6400MHz. It supports four FH Single Width PCIe Gen5 x16 slots with length support up to 200mm, two FHHL Single Width PCIe Gen5 x16 slots, two LP PCIe Gen5 x8 slots, and one OCP 3.0 PCIe Gen5 x16 slot for various kinds of expansion modules including advanced GPU cards, high throughput NICs, storage adapter cards, etc.

In addition to outstanding scalability and flexibility, the BIS-5231-2U incorporates comprehensive I/O including one 1GbE RJ45 IPMI port, four 10G RJ45 ports, one RJ45 Console port, one VGA port, two USB 3.1, and two M.2 slots which make it ideal for a wide variety of applications.

Specifications

▼ Processor System

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

▼ Memory

Technology	16x DDR5 RDIMM Slots, up to 6400MHz
Capacity	Up to 4TB

▼ Expansion

Onboard Expansion Slots	4x FH Single Width PCIe Gen5 x16 slots, support card length up to 200mm 2x FHHL Single Width PCIe Gen5 x16 slots* 2x LP PCIe Gen5 x8 slots** 1x OCP3.0 PCIe Gen5 x16 slot *: SKUB: 2x FHHL PCIe Gen5 x8 slots **: SKUB: 1x LP PCIe Gen5 x8 slot
-------------------------	--

▼ I/O

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

▼ Ethernet

GbE Ethernet	1x 1GbE IPMI, 4x 10G RJ45 ports
--------------	---------------------------------

▼ Storage

External Storage bays	SKUA: 12x hot-swappable 3.5" SAS/SATA SKUB: 12x hot-swappable 2.5" NVMe
M.2 slot	2x M.2 2280 M Key

▼ Power Supply

Watt	1+1 CRPS 2000W Redundant power supply
------	---------------------------------------

▼ Mechanical and Environment

Form Factor	2U Rackmount General Purpose Server
LED	1x Power button with LED (Green) 1x UID LED (Blue) 1x Reset button 4x BMC status LEDs (Red)
Dimension (W x D x H)	438mm(W) x 820mm(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-5231-2U
- 2x power cord

Ordering Information

BIS-5231-2U 2U General Purpose Server, Dual GNR-SP/SRF-SP Intel Xeon6, 16x DDR5 RDIMM, 8x PCIe Gen5 slots, RJ45 Console, 4x 10GbE RJ45, VGA, IPMI, 1 OCP 3.0, 2x USB3.1, 12x 3.5"

I/O



SKU A: 12x LFF with 3.5" HDD
SKU B: 12x LFF 2.5" SSD NVMe U.2



1+1 CRPS 2000W
IPMI
2x USB
Console RJ45
4x 10GbE RJ45
VGA Port

*Limitation: Supports PCIe card length up to 200mm