

SCB-1953-2U

Performance Network Appliance

AEWIN Technologies Co., Ltd.

2U Rackmount, Single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest), support DDR5 6400MHz RDIMM up to 2TB, 8x PCIe Gen5 x8 slots for Network Expansion Modules, 2x 2.5" hot-swappable SATA, 2x USB 3.1, 1x 10GbE MGMT, 2x 25GbE SFP28, 1x Console, 2x M.2, Redundant PSU



Features

- Support Single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest), LGA-4710
- 8x DDR5 R-DIMM memory slots, up to 6400MHz
- Support Intel QAT
- 8x PCIe Gen5 Expansion Module Bays
- 2x 25GbE SFP28, 1x 10GbE RJ45 MGMT, 1x Console RJ45
- 2 x 2.5" SATA, 2x M.2
- 1x TPM2.0

Description

The SCB-1953-2U is a 2U Rack-Mount hardware networking system. Supporting single Intel Xeon 6 Scalable Processor (Granite Rapids-SP/Sierra Forest), the new generation platform provides remarkable performance with increased CPU cores up to 86 P-cores or 144 E-cores.

The SCB-1953-2U supports 8x channels DDR5 RDIMM with up to 6400 MHz and maximum memory capacity is up to 2TB. With 88 PCIe5.0 lanes supported by single Intel Xeon 6 CPU, the SCB-1953-2U support up to 8x PCIe Gen 5 x8 slots for Network Expansion Modules for flexible configuration, such as 1/10/40/100/200 Gigabit fiber, Gigabit Copper/Fiber with or without BYPASS function.

The SCB-1953-2U Series also provides outstanding flexibility to change the 2x PCIe slots to 1x PCIe x16 slot for standard PCIe form factors which are suitable for dual-width accelerator cards to enable AI workloads. It can support 400GbE NIC card installed such as Mellanox PCIe5.0 NIC.

The strong IO elements of SCB-1953-2U include 10GbE management port, 2x 25GbE SFP28 ports, a console port, 2x USB3.1 ports, LEDs for power/HDD/2xGPIO. In addition, the SCB-1953-2U also supports two front hot-swappable 2.5" SATA HDD/SSD and two PCIe4.0 M.2 slots for diverse applications.

Specifications

▼ Processor System

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

▼ Memory

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

▼ Expansion

Onboard Expansion Slots	8x PCIe5.0 x8 slots
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▼ I/O

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

▼ Ethernet

GbE Ethernet	2x 25GbE SFP28, 1x 10GbE RJ45 MGMT ports
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▼ Storage

SATA	2x 2.5" SSD/HDD
Internal SATA Header	2x SATA Connector
M.2	2x M.2 2280 socket

▼ Power Supply

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

Form Factor	2U Rackmount
LED	1 Power LED (Green) 1 HDD LED (Red) 2 Status LED (Green/Amber)
Dimension (W x D x H)	440 mm(W) x 600 mm(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 SCB-1953-2U unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

Ordering Information

SCB-1953A 2U Rackmount, Single Intel GNR-SP/SRF-SP processors, 8x DDR5, 8x PCIe x8 slots for NIC, Console, 2xUSB, 2x 25GbE SFP28, 1x 10GbE MGMT, 2x M.2 2280, BMC, 10x MCI08i, 2x2.5 SATA

I/O

