# 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 Inte 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 Inte 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 PCle5.0 lanes supported by single Intel Xeon 6 CPU, the SCB-1953-2U support up to 8x PCle 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	8x PCIe5.0 x8 slots	
Expansion		
Slots		

#### ▼ 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

#### 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 s
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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

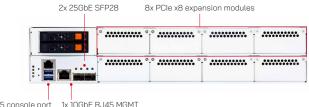
- 1x SCB-1953-2U unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

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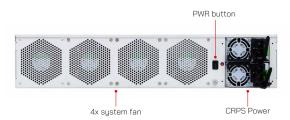
# Ordering Information

-2U

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



1x RJ45 console port 1x 10GbE RJ45 MGMT 2x USB 2.0



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