

SCB-1935

Performance Network Appliance

AEWIN Technologies Co., Ltd.

1U Rack-mount Network Appliance with single AMD® EPYC™ (Rome/Milan) Series Processor, support DDR4 memory up to 3200MHz, 4x PCIe x8 slots for Expansion Module, 2x USB3.0, 2x 1GbE, 1x Console, 1x m-SATA, 2x M.2 2280/22110, Redundant PSU



Features

- Support AMD® EPYC™ 7002/7003 (Rome/Milan) processors
- 8x channel DDR4 3200MHz memory, up to 512GB
- 4x PCIe x8 for Network Expansion Module
- 2x 2.5" HDD/SSD, 2x M.2 2280/22110 & 1x m-SATA
- Support IPMI card with VGA (optional)

Description

The SCB-1935 is a 1U Rack-Mount high-performance networking system. Supporting single AMD® EPYC™ 7002/7003 (Rome/Milan) Processor. Based on of AMD's new "Zen" CPU core delivers breakthrough computing performance. CPU cores up to 32 cores, supports 64MB cache and total with 128 PCIe lanes.

The SCB-1935 supports eight channels DDR4 register ECC DIMM (up to 2667MHz) and maximum memory capacity is up to 512GB. With 32 PCI Express lanes, the SCB-1935A can support up to 4 NIC modules, support multiple Ethernet module bays for flexible port configuration; such as 1/10/40 Gigabit fiber, Gigabit copper with BYPASS function or not. The maximum capable Ethernet port is up to 32 GbE ports. SCB-1935B supports up to 2 PCIe x16 slots for single/dual port 100 Gigabit Ethernet Adapter card in front and 1 PCIe x16 slot in rear.

The strong IO elements of SCB-1935 include two management Ethernet port (one for management, another for option IPMI function), a console port, two USB 3.0 ports, a Graph LCD module with keypad (5 key), LEDs for power/ HDD/ 2 x GPIO. In addition, the SCB-1935 also supports 1x 3.5" or 2x 2.5" SATA HDDs/SSDs, onboard one m-SATA and two M.2 2280/22110 slots for basic network storage application.

Specifications

▼ Processor System

CPU	Support single AMD® EPYC™ 7002/7003 (Rome/Milan) Processor Socket SP3, LGA4094
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 8 DIMMs (Eight channel) ECC & Registered : DDR4 2400/2667 MHz memory, up to 64GB per DIMM
Capacity	Up to 512GB

▼ Expansion

Onboard Expansion Slots	1x standard PCIe Gen3 x16 slot (Option) 4x PCIe Gen3 x8 slot
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▼ I/O

USB	2x external USB 3.0 port 1x internal USB 2.0 (5x2 pin header) supports USB DOM
Serial	1x RJ45 Console port (COM1)

▼ Ethernet

GbE Ethernet	2x RJ45 GbE ports
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▼ Storage

SATA	1x 3.5" or 2x 2.5" HDD/SSD
M.2	1x M.2 22110 Socket

▼ Power Supply

Watt	1U Redundant 500W AC-DC PSU
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▼ Mechanical and Environment

Form Factor	1U Rackmount
LED	1x Power LED (Green) 1x HDD LED (Red) 2x Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm(W) x 600 mm(D) x 44mm(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	12 kg
Certification	CE/FCC

▼ Packing List

- 1x SCB-1935 unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

Ordering Information

SCB-1935A 1U Network System with AMD® EPYC™ 7002/7003 (Rome/Milan) processor, DDR4, 4 PCIe x8 slot s for Expansion Module, PCIe x16 slot, Console, USB 3 , 2GbE 2xM.2 22110, IPMI

Optional

R384B Expansion module with 8 SFP GbE ports, Intel i350-AM4

R385B Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel i350-AM4

R386A Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver

R387A Expansion module with 2 QSFP+ 40 GbE ports, Intel XL710-BM2 w/o re-driver

R479A Expansion module with 4 SFP+ 10G ports, Intel 82599ES

R492A IPMI Card with VGA for SCB-1925, ASPEED AST2500

R492B VGA Card for SCB-1925, ASPEED AST2510

R509A Expansion module with 2 ZSFP+ 25GbE ports, Intel XXV710

I/O

