

SCB-1935

Performance Network System

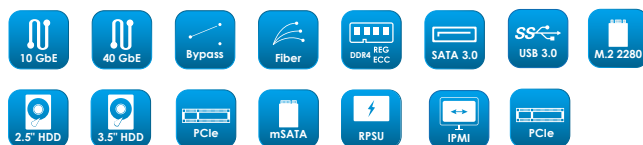
AEWIN Technologies Co., Ltd.

1U Rack-mount single AMD® Rome EPYC™ 7002 Series Processor Networking System, support DDR4 up to 512GB, 4 PCIe x8 slots for Expansion Module, 2 USB3.0, 2 GbE, 1 Console, m-SATA, 2x M.2 22110, PCIe x16 slot, Redundant PSU



Features

- Support AMD® EPYC™ 7002 Series Processor, LGA4094
- 8-channel DDR4 ECC Registered 2400/2667MHz Memory, max support 512GB
- Max support 4 x PCIe x8 slots for expansion LAN modules, up to 32 GbE Copper / Fiber ports
- 1 x 3.5" or 2 x 2.5" HDD/SSD support
- 1 x Riser card for PCIe slot expansion
- 2 x M.2 2280/22110 & 1 x m-SATA
- Support IPMI card with VGA (Optional)



Introduction

The SCB-1935 is a 1U Rack-Mount high-performance networking system. Supporting single AMD® Rome EPYC™ 7002 Series 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 one 3.5" or two 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® Rome EPYC™ 7002 Series 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	RDIMM/LRDIMM : up to 512GB

▼ Expansion

Onboard Expansion Slots	1x SO-DIMM slot for IPMI card with VGA support 1x PCIe Gen3 x16 slot 2x M.2 socket by PCIe Gen3 x4
GbE Ethernet	2x RJ45 GbE ports

▼ 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) 1x internal 5x2 pin header (COM2)

▼ Power Supply

Watt	1U Redundant 500W ATX Power Supply
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▼ Storage

SATA	Support 1x 3.5" or 2x 2.5" SATA HDD or solid state drives 1x mSATA socket
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▼ Mechanical and Environment

Form Factor	1U rack-mount
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 600mm (D) x 44mm (H) (17.3"W x 23.6"D x 1.73"H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	5 ~ 95% 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, Utility Driver)

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

* Note : All specifications are subject to change without prior notice

