

# SCB-1925

Performance Network System

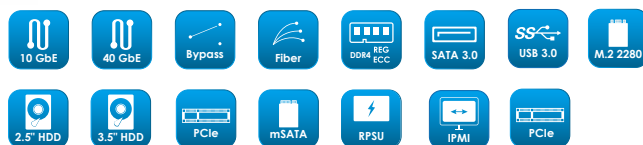
## AEWIN Technologies Co., Ltd.

1U Rack-mount single AMD® Naples EPYC™ 7000 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™ 7000 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-1925 is a 1U Rack-Mount high-performance networking system. Supporting single AMD® Naples EPYC™ 7000 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-1925 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-1925A 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-1925B 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-1925 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-1925 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

<b>CPU</b>	Support single AMD® Naples EPYC™ 7000 Series Processor, Socket SP3, LGA4094
<b>BIOS</b>	AMI® UEFI BIOS

#### ▼ Memory

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

#### ▼ Expansion

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

#### ▼ I/O

<b>USB</b>	2x external USB 3.0 port 1x internal USB 2.0 (5x2 pin header) supports USB DOM
<b>Serial</b>	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2)

#### ▼ Power Supply

<b>Watt</b>	1U Redundant 500W ATX Power Supply
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#### ▼ Storage

<b>SATA</b>	Support 1x 3.5" or 2x 2.5" SATA HDD or solid state drives 1x mSATA socket
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#### ▼ Mechanical and Environment

<b>Form Factor</b>	1U rack-mount
<b>LED</b>	1x Power LED (Green) 1x HDD LED (Red) 2x Status LED (Green/Yellow via programmable GPIO)
<b>Dimension (W x D x H)</b>	440mm (W) x 600mm (D) x 44mm (H) (17.3"W x 23.6"D x 1.73"H)
<b>Operating Temperature</b>	Operating: 0 ~ 40°C ( 32 ~ 104°F )
<b>Storage Temperature</b>	-20 ~ 75°C (-4 ~ 167°F)
<b>Humidity</b>	5 ~ 95% relative humidity, non-operating, non-condensing
<b>Weight</b>	12 kg
<b>Certification</b>	CE/FCC

▼ Packing List

- 1x SCB-1925 unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utility Driver)

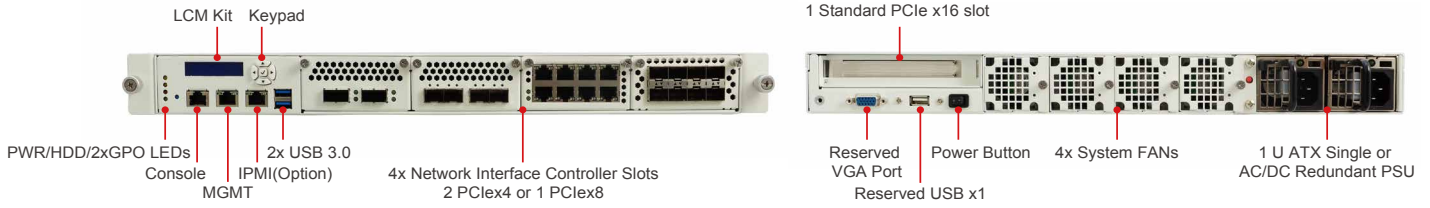
▼ Ordering Information

Standard	
<b>SCB-1925A</b>	1U Network System with AMD® EPYC™ 7000 Series processor, 8 DDR4, 4 PCIe x8 slots for Expansion Module, PCIe16 slot, Console, USB3, 2GbE, 2xM.2 22110, IPMI
<b>SCB-1925</b>	1U Network System with AMD® EPYC™ 7000 Series processor, 8 DDR4, 2 PCIe x16 slots for Expansion Module, PCIe16 slot, Console, USB3, 2GbE, 2xM.2 22110, IPMI

Optional

<b>R384B</b>	Expansion module with 8 SFP GbE ports, Intel i350-AM4
<b>R385B</b>	Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel I350-AM4
<b>R386A</b>	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver
<b>R387A</b>	Expansion module with 2 QSFP+ 40 GbE ports, Intel XL710-BM2 w/o re-driver
<b>R479A</b>	Expansion module with 4 SFP+ 10G ports, Intel 82599ES
<b>R492A</b>	IPMI Card with VGA for SCB-1925, ASPEED AST2500
<b>R492B</b>	VGA Card for SCB-1925, ASPEED AST2510
<b>R509A</b>	Expansion module with 2 ZSFP+ 25GbE ports, Intel XXV710

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



■ Dimensions

