

# SCB-1826

Mainstream Network Appliance

AEWIN Technologies Co., Ltd.

1U Rackmount single 11th Generation Intel® Core™ processor (Rocket Lake-S) networking System, support DDR4 2933MHz up to 128GB, 4x PCIe slots for Network Expansion Module, 2x USB3.0, 2x 1GbE, 1x Console, 1x M.2 2280/2242 or 1x CF, IPMI or mPCIe, PCIe x8 slot, Redundant / Single PSU



## Features

- Support Intel® Comet Lake Series Processor, LGA1200
- 2x channel DDR4 ECC 2933MHz Memory, max support 128GB
- Support TPM/trust secure boot (BIOS recovery) & IPMI with Dying Gasp feature

## Description

The SCB-1826 is a 1U Rack-Mount high-performance networking system, that supports a single 10th Generation Intel® Core™ processor for IoT applications. It is based on Intel's new 14nm Comet Lake architecture to deliver breakthrough computing performance. CPU up to 10 cores / 20 Threads, 20MB cache, and maximum turbo frequency of 4.8GHz.

The SCB-1826 supports 4x DDR4 ECC DIMM (up to 2933MHz) in dual channels and maximum memory capacity up to 128GB. With total 24 PCI Express lanes, the SCB-1826 can support up to 4 NIC modules, support multiple Ethernet module bays for flexible port configuration, such as 1/10/25/40/100Gigabit fiber or copper with optional Bypass function. The maximum capable Ethernet port is up to 32x 1GbE ports. SCB-1826 supports standard FHHL PCIe slot for RAID or others PCIe device usage in rear.

The strong IO elements of SCB-1826 include two management Ethernet port (one for management, another for optional IPMI function), a console port, two USB 3.0 ports, a Graphic LCD module with keypad (5 key), LEDs for power/ HDD/ 2 x GPIO. In addition, the SCB-1826 also supports one 3.5" or two 2.5" SATA HDDs/SSDs, onboard one M.2 M key 2280/2242 slots for basic network storage application.

## Specifications

### ▼ Processor System

CPU	Intel Comet Lake up to 95W
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	Single 350W or redundant 300W 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-1826 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	R479A	Expansion module with 4 SFP+ 10G ports, Intel 82599ES
R385B	Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel i350-AM4	R492A	IPMI Card with VGA for SCB-1925, ASPEED AST2500
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver	R492B	VGA Card for SCB-1925, ASPEED AST2510
R387A	Expansion module with 2 QSFP+ 40 GbE ports, Intel XL710-BM2 w/o re-driver	R509A	Expansion module with 2 ZSFP+ 25GbE ports, Intel XXV710

## I/O

