

# SCB-1821

Mainstream Network System

## AEWIN Technologies Co., Ltd.

1U Rack-Mount, Intel® Coffee Lake-S Xeon® Processor E Family / 8th Core™ i7/i5/i3 processor with C246 PCH Network system, support DDR4 up to 64GB, 4 PCIe x8 slot for expansion NIC module, Console, 2 USB 2.0, 2 GbE, 2.5" or 3.5" SATA HDD/SSD, CF, m-SATA



### Features

- Support 8th Intel® Core i7/i5/i3 and Xeon E3(Coffee Lake-S) processors
- 2-channel, DDR4 2400/2666MHz memory, up to 64GB
- 2x RJ45 GbE ports, support 4x NIC expansion modules
- 1x riser card for PCIe x8 (x4 signal) expansion slot to Rear
- 1 x 2.5/3.5" HDD/SSD, 1 x mSATA, 1 x CF



### Introduction

The SCB-1821 is a 1U Rack-Mount networking system which is developed based on Intel® Coffee Lake-S Xeon® Processor E Family and 8th Core™ i7/i5/i3 processors.

The SCB-181 supports dual channel DDR4 Non-ECC, un-buffered DIMM (up to 2666MHz) and maximum memory capacity is up to 64GB. With 24 PCI Express lanes, the SCB-1821 can support up to 4 NIC modules, support multiple Ethernet module bays for flexible port configuration; such as 1/10/25/40 Gigabit fiber, Gigabit copper with BYPASS function or not. The maximum capable Ethernet port is up to 24 GbE ports.

The strong IO elements of SCB-1821 include two management Ethernet ports, a console port, two USB 2.0 ports, a Graph LCD module with keypad (5 key), LEDs for power/ HDD/ 2 x GPIO. In addition, the SCB-1821 also supports one 2.5" or 3.5" SATA HDD/SSD, onboard one m SATA and CompactFlash™ Type II socket for basic network storage application.

#### ▼ Processor System

<b>CPU</b>	Support Single Intel® Coffee Lake-S Xeon® Processor E Family and 8th Core™ i7/i5/i3 processors, LGA 1511
<b>Chipset</b>	Intel® C246 PCH
<b>DMI</b>	Up to 8GT/s
<b>BIOS</b>	AMI® UEFI BIOS

#### ▼ Memory

<b>Technology</b>	Dual-channel, Non-ECC, un-buffered, DDR4-2666MHz memory
<b>Capacity</b>	Up to 64GB with 4 DIMM socket

#### ▼ Expansion

<b>Onboard Expansion Slots</b>	4x PCI-E x8 slot for expansion NIC module 1x PCI-E x8 slot for standard PCI-E slot (Option)
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#### ▼ I/O

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

#### ▼ Ethernet

<b>GbE Ethernet</b>	2x RJ45 GbE ports
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#### ▼ Storage

<b>SATA</b>	1x 2.5" or 3.5" SATA HDD or solid state drives
<b>Compact Flash</b>	1x m-SATA socket
<b>m-SATA</b>	1x CompactFlash™ Type II

#### ▼ Power Supply

<b>Watt</b>	1U Single 250W ATX Power Supply 1U Redundant 300W ATX Power Supply (Option)
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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 480mm (D) x 44mm (H) (17.3"W x 18.9"D x 1.73"H)
<b>Operating Temperature</b>	Operating: 0 ~ 40°C ( 32 ~ 104°F )
<b>Storage Temperature</b>	-40 ~ 75°C (-49 ~ 167°F)
<b>Humidity</b>	10 ~ 85% relative humidity, non-operating, non-condensing
<b>Weight</b>	10 kg/22 lb
<b>Certification</b>	CE/FCC

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

▼ Packing List

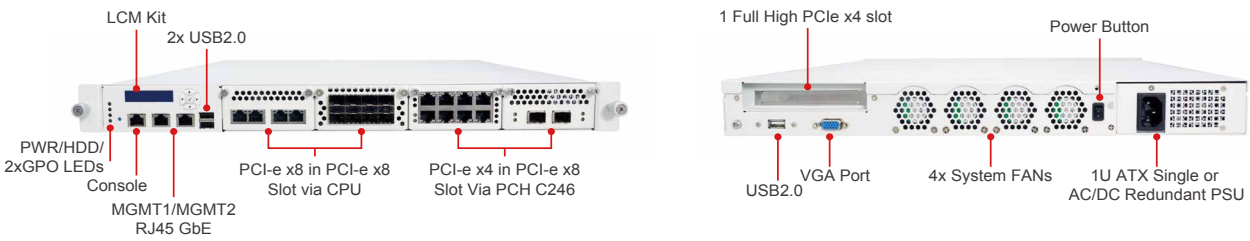
- 1x SCB-1821 unit
- 1x power cord
- 1x CD (Manual, Quick Installation Guide, Utility Driver)

▼ Ordering Information

Standard	
<b>SCB-1821A</b>	1U Rack-Mount, Intel Coffeelake-S processor with C246 PCH, 4 xDDR4, 2 xRJ45 GbE, Console, USB, 4 xSATA, CF, mSATA, 2 x USB2.0, 4 xPClex8 slots for LAN card, 1 xPClex4 slot for add-on card

Optional	
<b>R386A</b>	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver
<b>R405A</b>	Expansion module with 4 SFP GbE ports, Intel I350-AM4
<b>R406A</b>	Expansion module with 4 RJ45 GbE ports, two pairs Gen3 bypass, Intel I350-AM4
<b>R509A</b>	Expansion module with 2 ZSFP+ 25GbE ports, Intel XXV710

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■ Dimensions

