

SCB-1821

Mainstream Network System

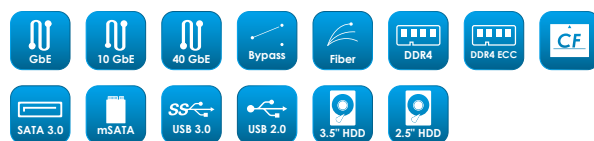
AEWIN Technologies Co., Ltd.

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 Intel® Coffee Lake-S Xeon® Processor E Family and 8th Core™ i7/i5/i3 processors, LGA 1511
- Dual-channel, Non-ECC, un-buffered, DDR4-2666MHz memory, max support 64GB
- Max support 4 x PCIe x8 slots for expansion NIC modules, up to 24 GbE Copper / Fiber ports
- 1 x 2.5" or 3.5" HDD/SSD support
- 1 x Riser card for PCIe slot expansion
- 1 x m-SATA, 1 x CompactFlash™ Type II



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

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

▼ Memory

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

▼ Expansion

Onboard Expansion Slots	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

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

▼ Ethernet

GbE Ethernet	2x RJ45 GbE ports
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▼ Storage

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

▼ Power Supply

Watt	1U Single 250W ATX Power Supply 1U Redundant 300W ATX Power Supply (Option)
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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 480mm (D) x 44mm (H) (17.3"W x 18.9"D x 1.73"H)
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Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
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Storage Temperature	-40 ~ 75°C (-49 ~ 167°F)
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Humidity	10 ~ 85% relative humidity, non-operating, non-condensing
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Weight	10 kg/22 lb
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Certification	CE/FCC
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* 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	
SCB-1821A	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	
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver
R405A	Expansion module with 4 SFP GbE ports, Intel I350-AM4
R406A	Expansion module with 4 RJ45 GbE ports, two pairs Gen3 bypass, Intel I350-AM4
R509A	Expansion module with 2 ZSFP+ 25GbE ports, Intel XXV710

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