

SCB-7907

Entry Network System

AEWIN Technologies Co., Ltd.

1U Rack-Mount Intel® Denverton-NS™ Processor Network System, eight Copper GbE, DDR4, mSATA, CF, 1 PCIe x4 Slot , Bypass



Features

- Intel® Denverton-NS™ Processor
- DDR4 ECC 1866/2133 MHz memory, max support 32GB
- Max 12 GbE ports support. (Expansion-card R469)
- Expansive I/O with USB 3.0, 2.5" SATA HDD, mSATA socket and Console port
- 2 pairs Bypass
- 1 PCIe x4 for (4 PCIe x1)
- Intel® Quick Assist for Cryptographic Hardware Acceleration



Introduction

The SCB-7907 is a 1U rack-mount hardware platform designed for network service applications. Supporting the next generation Intel® Denverton-NS™ Processor. With 2C/4C Cores ; This new generation platform provides highly CPU computing power that CPU cores up to 16 cores, supporting total with 20 PCIe lanes for flexible both network interface modules expansion .

The SCB-7907 is enhancement in computing performance, system responsiveness with Intel® Denverton-NS™ Processor, supporting four DDR4 ECC SODIMM (up to 2133 MHz) and maximum memory capacity is up to 32GB. SCB-7907 is able to support 1 PCIe x4 (for 4PCIe x1) ,1x RJ45 Console port. 2x USB 3.0, and LEDs for Power/HDD/Bypass / Status and 2 pairs Bypass LAN port function. SCB-7907 supports 1 x mSATA , CF slot; 1 x 2.5" SATA HDD and for basic network storage application.

Specifications

▼ Processor System

Form Factor	1U rack-mount
CPU	Intel® Denverton-NS™ Processor
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	ECC DDR4 1866 / 2133 MHz SODIMM memory
Capacity	Up to 32GB

▼ Expansion

PCI-E slot	1 x PCIe x4 slot for Ethernet module (Optional riser card)
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▼ Ethernet

GbE Ethernet	LAN1~4: Intel I210-AT via PCIe x1 LAN5~8: Marvell 88E1543 via SGMII
LAN Bypass	Two pairs of Gen3 Bypass in LAN5~8 (latch Relay)

▼ Storage

SATA	One internal 2.5"/3.5" SATA HDD bay(option)
eMMC	eMMC 5.0 (build option)

▼ I/O

USB	Two external USB3.0 Two internal USB 2.0 with pin header
Serial	One RJ45 Console port (COM1) One internal pin header (COM2)

▼ Power Supply

Watt	1U 60W power supply.
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▼ Mechanical and Environmental

LED	One Power LED (Green) One HDD LED (Red) One Bypass LED (Yellow) One Status LED(Green/Yellow)
Dimension (W x D x H)	440mm (W) x 269.20mm (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	1pc/CTN, 4.5kgs,
Certification	CE/FCC

▼ Packing List

- 1 x SCB-7907 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

Ordering Information

Standard	
SCB-7907A	1U Rack-mount Intel Denverton-NS 4C,C3558 (16W) 2.2GHz processor, DDR4, 8 Copper GbE, mSATA, 4 PCIe x1, USB3.0, Bypass,
SCB-7907B	1U Rack-mount Intel Denverton-NS 2C,C3338 (8.65W) 1.5GHz processor, DDR4, 8 Copper GbE, mSATA, 4 PCIe x1, USB2.0, Bypass
SCB-7907C	1U Rack-mount Intel Denverton-NS 4C,C3558 (16W) 2.2GHz processor, DDR4, 8 Copper GbE, 4 PCIe x1, USB3.0, CF, Bypass,
SCB-7907D	1U Rack-mount Intel Denverton-NS 4C,C3538 (15W) 2.1GHz processor, DDR4, 8 Copper GbE, 1 PCIe x4, USB3.0, CF, Bypass,

Optional	
R469A	PCIe x4 slot,4 RJ45 ports, 2 pairs Gen 3 bypass
R470A	RiserCard
DK001	Cable development kit: 46L-CO5204-00 Cross over 2M 46L-DB9200-01 Null modem cable 2M 46L-EC5200-00 Ethernet cat.5 cable 2M 46L-IPS200-00 KBMS cable, 15CM 46L-IUSB2B-00 USB cable, 25CM 46L-IVGA01-00 VGA cable, 20CM 46L-RJDB91-00 RJ-45 to DB-9 cable 2M

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



Dimensions

