

SCB-1706

Mainstream Network System

AEWIN Technologies Co., Ltd.

1U Rack-Mount Intel® Atom™ C3000 Processor Network System, 8x Copper GbE, 2x SFP+ 10GbE ,eMMC 8GB, mSATA, SATA, PCIe x8



Features

- Intel® Atom™ C3000 Processor
- Two-channel DDR4 ECC 2133/2400 MHz memory, max support 128GB
- Max 16 GbE ports
- 2x 10G SFP+ GbE and max up to 6x 10G SFP+
- Expansive I/O with 2x USB 3.0, 2.5"/3.5" SATA HDD bay, mSATA socket and Console port
- Intel® Quick Assist for Cryptographic Hardware Acceleration



Introduction

The SCB-1706 is 1U Rack-Mount high-performance networking system which is based on Intel® Atom™ C3000 processor family. This new generation platform provides highly CPU computing power that CPU cores up to 16 cores, supporting Intel® Quick Assist Technology, standard PCIe slot, expansion Ethernet module, SATA3 and USB3.0.

The SCB-1706 is enhancement in computing performance, system responsiveness with Intel® Atom™ Processor, supporting four DDR4 2400MHz UDIMM/ECC UDIMM/RDIMM and maximum memory capacity is up to 128 GB. With 20 PCIe Express lanes, the SCB-1706 is able to support up to 1 NIC modules with multiple Ethernet module bays for flexible port configuration; such as 10G SFP+, GbE SFP and GbE Gne. 3 BYPASS function support.

The various I/O elements of SCB-1706 include a console port, two USB 3.0 ports, an LCM module with 5 functional button keypad, LEDs for power/HDD/2x GPO. In addition, SCB-1706 supports one SATA 3.5" or 2.5" HDD/SSD, eMMC, mSATA or CompactFlash™ (option) slot for basic network storage applications.

Specifications

▼ Processor System

CPU	Intel® Atom™ C3000 Processor
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 4x DIMM, Support DDR4 1866/2133/2400 MHz UDIMM/ECC UDIMM/RDIMM
Capacity	Up to 128GB

▼ Expansion

Onboard	1x PCI-E x8 slot for Ethernet module or
Expansion Slots	1x PCI-E x8 golden finger for standard PCI-E slot (optional riser card)

▼ Ethernet

GbE Ethernet	LAN1~8: Intel I350-AM4 via 2x PCIe x4
LAN Bypass	3 pairs of Gen3 Bypass in LAN3~8

▼ Storage

SATA	1x internal 2.5"/3.5" SATA HDD bay
eMMC	eMMC 5.1 8GB, max up to 64GB (option)
mSATA	mSATA full size

▼ I/O

USB	2x external USB3.0 2x internal USB 2.0 with pin header
Serial	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2)

▼ Power Supply

Watt	1U ATX 150W single power supply
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▼ Mechanical and Environmental

Form Factor	1U rack-mount
LED	Bypass LED (Yellow) Status LED(Green/Yellow) HDD LED (Red) Power LED (Green)
Dimension (W x D x H)	440 mm (W) x 363mm (D) x 44mm (H) (17.3" W x 14.3" D x 1.7" 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	4.87kg
Certification	CE/FCC

▼ Packing List

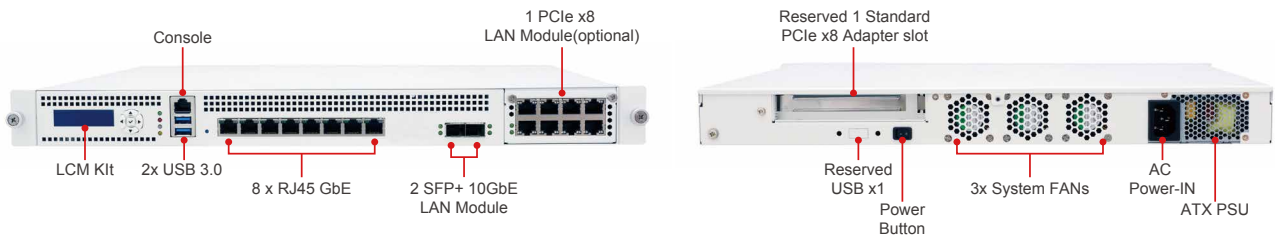
- 1x SCB-1706 unit
- 1x power cord
- 1x CD (Manual, Quick Installation Guide, Utility Driver)

■ Ordering Information

Standard	
SCB-1706A	1U Network System with Intel Denverton-NS Family processor, DDR4, 8 Copper GbE, 2 SFP+ 10GbE, mSATA, eMMC 8GB, Bypass, LAN module, PCIe x8

Optional	
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1
R495A	Riser card with one Standard PCIe x8 slots (SCB-1706)
DK002	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

