

SCB-7906

Entry Network System

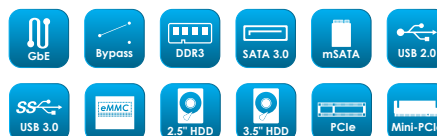
AEWIN Technologies Co., Ltd.

1U Rack-mount Intel® Atom® E3950 (codename Apollo Lake) Network System, Six Copper GbE, eMMC, mSATA, SATA, PCIe, Gen3 Bypass



Features

- Intel® Atom® E3950 (Apollo Lake)
- Max 6 GbE ports via PCI-e x1
- Expansive I/O with USB 3.0; 2.5"/3.5" SATA HDD bay, mSATA socket, mini-card slot and Console port
- Built with Intel Embedded IA components with warranty of longevity
- RoHS/CE/FCC compliant



Introduction

The SCB-7906 is a 1U Rack-mount hardware platform designed for network service applications. Built with Intel® Embedded IA components with warranty of longevity, the SCB-7906 supports Intel® Atom™ Apollo Lake-I low voltage processors. The platform supports dual channel high bandwidth DDR3L SO-DIMM slot and on board DDR3L memory, system memory up to 8GB. In order to provide the best network performance and best utilization, the power storage interfaces include one 2.5" or one 3.5" SATA HDD and eMMC, dual USB 3.0 ports, one RJ45 console port and LED indicators that monitor power and storage device activities for local system management, maintenance, diagnostics as well as advanced Gen. 3 LAN Bypass. In addition, the SCB-7906 supports one PCI-E connector for expansion purpose. The system is RoHS, FCC and CE compliant.

Specifications

▼ Processor System

Form Factor	1U rack-mount
CPU	Intel® Atom® E3950(Apollo Lake-I) processors
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Un-buffered and Non-ECC DDR3L 1600/1866MHz memory
Capacity	Max. 8GB with one SO-DIMM socket and Mem-Down (build option)

▼ Expansion

Mini-card slot	One mini-PCIe socket via PCI-E x1. (build Option) One PCIe x4 connector via 2 xPCIe x1. (build Option)
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▼ Ethernet

GbE Ethernet	Six Copper GbE ports, Intel I211, PCI-E x1 (Two pairs bypass between LAN3, LAN4 and LAN5, LAN6)
LAN Bypass	Two pairs of Gen3 LAN Bypass

▼ 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 5x2 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 218mm (D) x 43mm (H) (17.32"W x 8.58" D x 1.88" 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, 59cm(W) x 43.2cm(D) x 16cm(H)
Certification	CE/FCC

▼ Packing List

- 1 x SCB-7906 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

▼ Ordering Information

Standard	
SCB-7906A	1U Rack-mount Intel® Atom® E3950 QC 1.6GHz, 6 x Gbe, mSATA, SATA, 2 x Bypass, DDR3L 2G

Optional	
DK001	Cable development kit 46L-CO5204-00 Cross over cable 46L-EC5200-00 Ethernet cable 46L-RJDB91-00 RJ45 Console cable 46L-DB9200-01 Null modem cable 46L-IVGA01-00 VGA cable 46L-IPS200-00 KB/MS cable 46L-IUSB01-00 USB cable

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



■ Dimensions

