

SCB-1710

Mainstream Network System

AEWIN Technologies Co., Ltd.

1U Rack-Mount Intel® Skylake-S series 6th Core i7/i5/i3 processor and Intel® H110 PCH, support DDR4 up to 32GB, Either 1 standard PCIe x8 card support or 1 PCIe x8 slot for expansion module, 2.5" SATA3.0 HDD/SSD, 2 USB 3.0, 6 GbE Copper ports with expansion Ethernet modules, 1 Console, 1 m-SATA, 1 ATX PSU.



Features

- Support Intel® Skylake-S series platform 6th Core i7/i5/i3 processor Series processor, LGA 1151
- Two-channel DDR4 2133 MHz un-buffered / Non-ECC memory, max support 32GB
- Max support 14 GbE Copper ports with 6 pairs BYPASS
- Flexible PCIe port configuration, either 1 standard PCIe x8 card or 1 PCIe x8 slot for Ethernet module.
- PCIe x8 slot for multiple expansion modules, 4 / 8 GbE Copper, 4 / 8 GbE Fiber, 2 / 4 10GbE Fiber, 2 40GbE Fiber
- 2.5" SATA3.0 HDD / SSD



Introduction

The SCB-1710 is 1U Rack-Mount networking system for fit all networking solutions by using New Intel® 14nm micro-architecture Skylake-S series 6th Core i7/i5/i3 processor and the Intel® H110 PCH. With the next generation 3-D tri-gate design, the adoption of the 6th generation Intel® Core™ processor comes with the promise to enhance processor performance, while lowering the TDP. A new socket type, LGA 1151, has also been released for the die-shrinking architecture.

The SCB-1710 platform supports two DDR4 2133 MHz un-buffered / Non-ECC DIMM and maximum memory capacity is up to 32 GB. The powerful storage interface support 2.5" SATA 3.0 HDD/SSD and 1 m-SATA slot for basic network storage application.

The SCB-1710 supports flexible PCIe port configuration, either 1 standard PCIe x8 card or 1 PCIe x8 slot for expansion module. Multiple expansion modules support for 4 / 8 GbE Copper, 4 / 8 GbE Fiber, 2 / 4 10GbE Fiber, 2 40GbE Fiber and the maximum 14 GbE Copper ports support with 6 pairs BYPASS function. The strong IO elements of SCB-1710 support one console port, two USB 3.0 ports, a LCD module with keypad, LEDs for BYPASS / Status / HDD / Power.

Specifications

▼ Processor System

Form Factor	1U rack-mount
CPU	Support Single Intel® Skylake-S Series platform 6th Core i7/i5/i3 processors, LGA 1151
Chipset	Intel® H110 PCH
DMI	Up to 8GT/s
BIOS	AMI® 64Mb UEFI BIOS

▼ Memory

Technology	Un-buffered / Non-ECC DDR4 2133MHz memory
Capacity	UP to 32GB with 2 DIMM socket

▼ Expansion

Onboard	Ether One PCI-E x8 slot for expansion module (Option)
Expansion Slots	Or One standard PCI-E x8 slot (Option)

▼ Ethernet

GbE Ethernet	6 x RJ45 GbE ports
LAN Bypass	Two pairs bypass

▼ Storage

SATA	1 x 2.5" SATA3.0 HDD/SSD
Socket	1 x m-SATA

▼ I/O

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

▼ Power Supply

Watt	1U 250W ATX Power Supply
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▼ Mechanical and Environmental

LCD Module	1 x 16x2 LCM
Keypad	5 x buttons keypad
LED	1 x Bypass LED (Yellow via programmable GPIO) 1 x Status LED (Yellow via programmable GPIO) 1 x HDD LED (Red) 1 x Power LED (Green)
Dimension (W x D x H)	440mm (W) x 360mm (D) x 44mm (H) (17.3"W x 14.1"D x 1.73"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	5 kg
Certification	CE/FCC

▼ Packing List

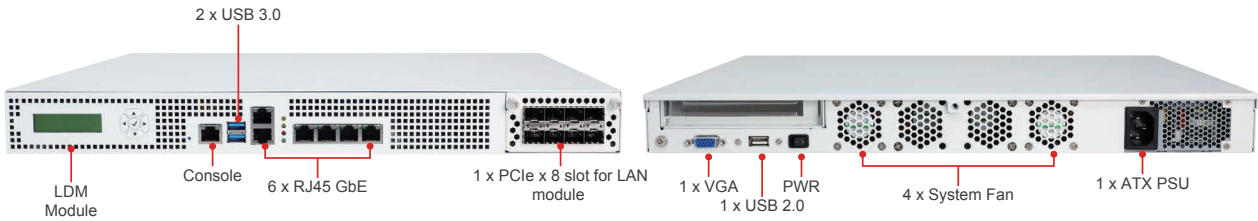
- 1 x SCB-1710 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

▼ Ordering Information

Standard	
SCB-1710A-A	1U Rack-Mount, Single Intel Skylake-S Processor with H110 PCH, DDR4, either 1 standard PCIe x8 card or 1 PCIe x8 slot for expansion module, Console, USB3.0, 6GbE, SATA, m-SATA

Optional			
R439A	eDP to VGA card (mini PCIe slot)	R445B	Expansion module with 2 SFP+ 10G ports, Intel® X710
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel® XL710-AM1 w/o re-driver	R471A	Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel® 82580EB, with PCIe switch
R387A	Expansion module with 2 QSFP+ 40 GbE ports, Intel® XL710-AM2 w/o re-driver	R471B	Expansion module with 8 RJ45 GbE ports, 4 pairs Gen 3 bypass, Intel 82580EB, with PCIe switch
R405A	Expansion module with 4 SFP GbE ports, Intel® i350-AM4	R471C	Expansion module with 8 RJ45 GbE ports, 2 pairs Gen 3 bypass, Intel i350, with PCIe switch
R406A	Expansion module with 4 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® i350-A	R471D	Expansion module with 8 RJ45 GbE ports, 4 pairs Gen 3 bypass, Intel i350, with PCIe switch
R408A	Expansion module with 4 RJ45 10G ports, Intel® X540-BT2	R472A	Expansion module with 8 SFP GbE ports, Intel 82580EB, with PCIe switch
R445A	Expansion module with 2 SFP+ 10G ports, Intel® 82599ES	R472B	Expansion module with 8 SFP GbE ports, Intel i350, with PCIe switch
DK	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 KB/MS 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

