

SCB-1711

Mainstream Network System

AEWIN Technologies Co., Ltd.

1U Rack-Mount Intel® Skylake-S series 6th Core™ i7/i5/i3 processor and Intel® Xeon® Processor E3-1275 v5 with Intel® C236 PCH, support DDR4 up to 64GB, support 1 standard PCIe x8 card and 1 PCIe x8 slot for expansion module, 2.5" SATA3.0 HDD/SSD, 2 USB 3.0, 12 GbE Copper ports, 2 GbE Fiber ports, 1 IPMI, 1 Console, 1 m-SATA, 1 ATX PSU.



Features

- Support Intel Skylake-S series platform 6th Core i7/i5/i3 Series processor and Intel® Xeon® Processor E3-1275 v5, LGA 1151
- Four channel DDR4 2133 MHz un-buffered / Non-ECC / ECC memory, max support 64GB
- Max support 20 GbE Copper ports with 6 pairs BYPASS
- Flexible support 1 standard PCIe x8 card and 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.
- 2.5" SATA3.0 HDD / SSD



Introduction

The SCB-1711 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 Intel® Xeon® Processor E3-1275 v5 with the Intel® C236 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-1711 platform supports four DDR4 2133 MHz un-buffered / Non-ECC / ECC DIMM and maximum memory capacity is up to 64 GB. The storage interface support 2.5" SATA 3.0 HDD/SSD and 1 m-SATA slot for basic network storage application.

The SCB-1711 supports flexible PCIe port configuration, support 1 standard PCIe x8 card and 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. Maximum 20 GbE Copper ports support with 6 pairs BYPASS function. The strong IO elements of SCB-1711 support one console port, one IPMI 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 and Intel® Xeon® Processor E3-1275 v5., LGA 1151
Chipset	Intel® C236 PCH
DMI	Up to 8GT/s
BIOS	AMI® 64Mb UEFI BIOS

▼ Memory

Technology	Un-buffered / Non-ECC / ECC DDR4 2133MHz memory
Capacity	UP to 64GB with 4 DIMM socket

▼ Expansion

Onboard	-1 x PCI-E x8 slot for expansion module
Expansion Slots	-1 x PCI-E x8 slot for standard PCI-E slot

▼ Ethernet

GbE Ethernet	12 x RJ45 GbE ports 2 x SFP 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	One 16x2 LCM
Keypad	Five 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 364.2mm (D) x 44mm (H) (17.3"W x 14.34"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

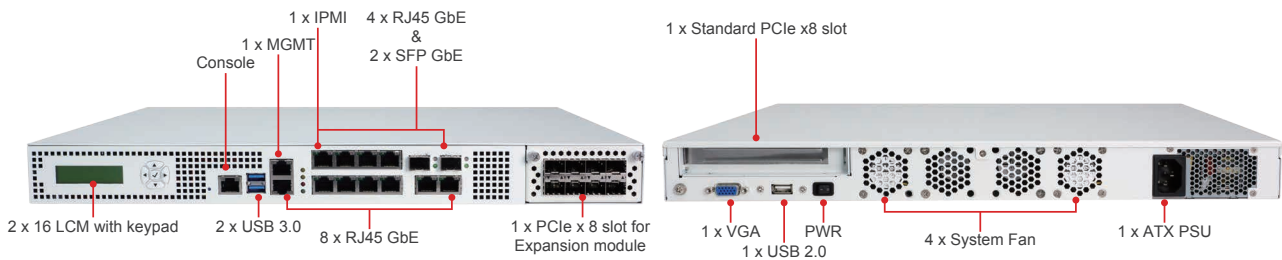
- 1 x SCB-1711 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

Ordering Information

Standard	
SCB-1711A-A	1U Rack-Mount, Single Intel Skylake-S Processor with C236 PCH, DDR4, 1 standard PCIe x8 card and 1 PCIe x8 slot for expansion module, 1 Console, 1 IPMI, 2 USB3.0, 12 GbE Copper ports, 2 GbE Fiber ports, 1 SATA, 1 m-SATA

Optional			
R384A	Expansion module with 8 SFP GbE ports, Intel 82580EB	R406A	Expansion module with 4 RJ45 GbE ports with 2 pairs Gen.3 bypass, Intel i350-A
R384B	Expansion module with 8 SFP GbE ports, Intel i350AM4	R408A	Expansion module with 4 RJ45 10G ports, Intel X540-BT2
R385A	Expansion module with 8 RJ45 GbE ports with 2 pairs Gen.3 bypass, Intel 82580EB	R439A	eDP to VGA card (mini PCIe slot)
R385B	Expansion module with 8 RJ45 GbE ports with 2 pairs Gen.3 bypass, Intel i350AM4	R445A	Expansion module with 2 SFP+ 10G ports, Intel 82599ES
R385C	Expansion module with 8 RJ45 GbE ports, Intel i350AM4	R445B	Expansion module with 2 SFP+ 10G ports, Intel X710
R385D	Expansion module with 8 RJ45 GbE ports with 4 pairs Gen.3 bypass, Intel 82580EB	R434A	Expansion module with 4 SFP ports and 4 RJ45 GbE ports, Intel 82599ES
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-AM1 w/o re-driver	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
R387A	Expansion module with 2 QSFP+ 40 GbE ports, Intel XL710-AM2 w/o re-driver		
R405A	Expansion module with 4 SFP GbE ports, Intel i350-AM4		

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



Dimensions

