

SCB-1810

Mainstream Network System

AEWIN Technologies Co., Ltd.

2U Rack-Mount Intel® Skylake-S Xeon® E3-1200 V5 Series Processor / 6th Core™ i7/i5/i3 and Intel® C236 PCH Network System, support DDR4 up to 64GB, 4 PCIe x8 slot for expansion NIC module, 2 x 2.5" or 3.5" SATA HDD Swappable, 2 USB, 2 GbE, 1 Console, m-SATA, 1 PCIe x8 slot, Redundant PSU



Features

- Support Intel® Xeon® processor E3-1200 V5 & Core i7/i5/i3 Series processor, LGA 1151
- Two-channel DDR4 ECC/Non-ECC 2133 MHz memory, max support 64GB
- Max support 4 x PCIe x8 slots for expansion LAN module, up to 32 GbE Copper / Fiber ports
- One PCIe x 16
- 2 x 2.5" or 3.5" HDD/ SSD swappable
- Support IPMI card with VGA (option)
- Support 2U ATX Redundant Power Supply



Introduction

The SCB-1810 is 2U Rack-Mount hardware networking system for fit all networking solutions by using New Intel® 14nm micro-architecture Skylake-S platform with efficient performance processor Xeon® E3-1200 V5 family / 6th Core™ i7/i5/i3 and the Intel® C236 series chipset (codenamed Sunrise Point). 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-1810 is enhancement in computing performance, system responsiveness with Intel® E3-1200 V5 processor, supporting four DDR4 Non-ECC/ECC DIMM (up to 2133 MHz) and maximum memory capacity is up to 64 GB. With 36 PCIe Express lanes, the SCB-1810 can support up to 4 NIC modules, supporting multiple Ethernet module bays for flexible port configuration; such as 10Gigabit SFP+, Gigabit copper with BYPASS function or not and Gigabit fiber ports. The maximum capable Ethernet port is up to 32 GbE ports.

The strong IO elements of SCB-1810 include two management Ethernet ports (one for management, another for option IPMI function), a console port, two USB ports, a LCD module with keypad (5 key), LEDs for power/ HDD/ 2x GPO. In addition, the SCB-1810 also supports two front-swappable 3.5" SATA HDDs/SSDs and onboard m-SATA slot for basic network storage application.

▼ Processor System

CPU	Support Single Intel® Skylake-S E3-1200 V5 Series and Core™ i7/i5/i3 processors, LGA 1511
Chipset	Intel® C236 PCH
DMI	Up to 8GT/s
BIOS	AMI® 64Mb SPI BIOS

▼ Memory

Technology	Dual-channel, ECC/Non-ECC, un-buffered, DDR4 2133MHz memory
Capacity	UP to 64GB with 4 DIMM socket

▼ Expansion

Onboard Expansion Slots	-4 x PCI-E x8 slot for expansion NIC module -1 x PCI-E x8 slot for standard PCI-E slot (Option) -1 x SO-DIMM slot for IPMI card with VGA support (Option)
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▼ Remote Management

IPMI	Optional Add-on Aspeed AST2400 IPMI Module
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▼ I/O

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

▼ Ethernet

GbE Ethernet	2 x RJ45 GbE ports
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▼ Storage

SATA	Support 2 x 2.5" or 3.5" SATA HDD
Socket	1 x m-SATA(Compact Flash optional)

▼ Power Supply

Watt	2U Redundant 300W ATX Power Supply
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▼ Mechanical and Environment

Form Factor	2U rack-mount
LED	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 535mm (D) x 88mm (H) (17.2"W x 21.4"D x 3.52"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	20 kg/44 lb
Certification	CE/FCC

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

▼ Packing List

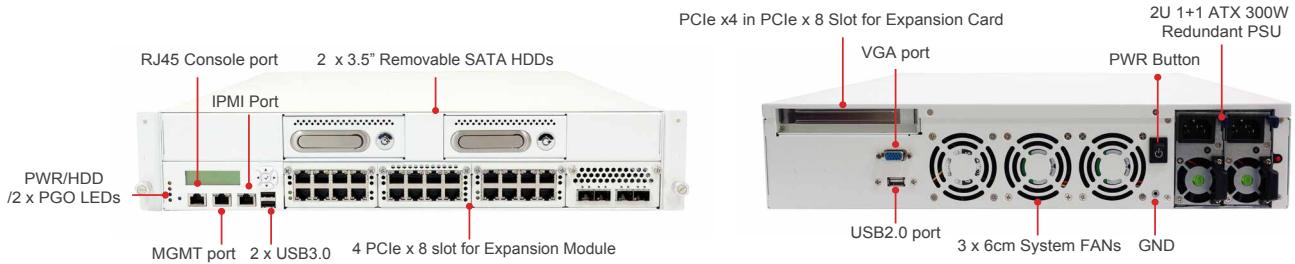
- One SCB-1810 unit
- Two power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

▼ Ordering Information

Standard	
SCB-1810A-A	2U Rack-Mount, Single Intel® Skylake-S Processor with C236 PCH, DDR4, 4 PCIe x8 slots for Expansion Module , Console, USB, 2GbE, SATA, m-SATA

Optional	
R303D	IPMI Card with VGA support for SCB-1810
R384A	Expansion module with 8 SFP GbE ports, Intel® 82580EB
R385A	Expansion module with 8 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® 82580E
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel® XL710-AM1 w/o re-driver
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
R406A	Expansion module with 4 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® i350-A
R408A	Expansion module with 4 RJ45 10G ports, Intel® X540-BT2
R408B	Expansion module with 2 RJ45 10G ports, Intel® X540-BT2
R424A	Expansion module with 8 RJ45 1G ports with two pairs Gen.3 bypass, Intel® i211
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 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

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■ Dimensions

