

SCB-1812

Mainstream Network System

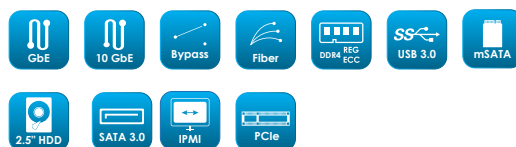
AEWIN Technologies Co., Ltd.

SCB-1812 1U Rack-Mount, Intel® Broadwell-DE Xeon® D-1500 Processor family, DDR4, 2 PCI-e slots for Expansion Module, Console, 2 x USB, 2GbE, 1 x SATA HDD, mSATA



Features

- Intel® Broadwell-DE Xeon® D-1500 Processor family
- Two-channel DDR4 Registered 2133/2400 MHz memory, max support 128GB
- Max support 2 x PCIe8 for expansion LAN module, up to 8GbE Copper/ 2 x SFP + 10GbE Fiber ports
- 1 x 2.5" or 1 x 2.5"SSD tray support
- 1 x Riser card for PCIe slot expansion
- 1 x mSATA
- 1U Single PSU



Introduction

The SCB-1812 is a 1U Rack-Mount high-performance networking system which is developed based on Intel® Broadwell-DE Xeon® D-1500 Processor family.

With the multi-core (up to 16 cores) Intel® Broadwell-DE Xeon® D-1500 Processor CPU, 24MB cache and 32 PCIe lanes onboard, this new generation platform offers mightiest CPU computing power and unparalleled flexibility for various expansion card (such as network interface modules and encryption/decryption cards).

In addition to the mighty computing power from Intel® Broadwell-DE Xeon® D-1500 Processor, by supporting four DDR4 ECC RDIMM/UDIMM (up to 2400MHz) and maximum memory capacity up to 128MB plus 32 onboard PCIe Express lanes, SCB1812 supports is able to handle up to 2 AEWIN stander NIC Modules with multiple Ethernet module bays for flexible port configurations; such as 10G SFP+ Gen3. 1 BYPASS function. Moreover, this system is capable to support 32 Gbe port at maximum.

Specifications

▼ Processor System

Form Factor	1U rack-mount
CPU	Support Intel® Broadwell-DE Xeon® processor D-1500 family, FCBGA
Chipset	Intel® Broadwell-DE processor D-1500 family
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 4 DIMMs (Two channels per CPU, 2DIMMs per channel) ECC/Registered DDR3-2133/2400 MHz memory, up to 16GB per DIMM
Capacity	UP to 32GB with 2 DIMM socket

▼ Expansion

Onboard	Onboard Expansion Slots
Expansion Slots	Two Gen.3 PCIe x 8 slot

▼ Ethernet

GbE Ethernet	GbE Ethernet eight Copper ports
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▼ Storage

SATA	Support 2.5" SATA Gen3
CompactFlash Socket	One CompactFlash™ Type II (Option)

▼ I/O

USB	Two external USB 2.0 port One internal USB 2.0 (5x2 pin header)
Serial	One RJ45 Console port (COM1) One RJ45 MGMT port

▼ Power Supply

Watt	Single PSU 250W
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Mechanical and Environmental

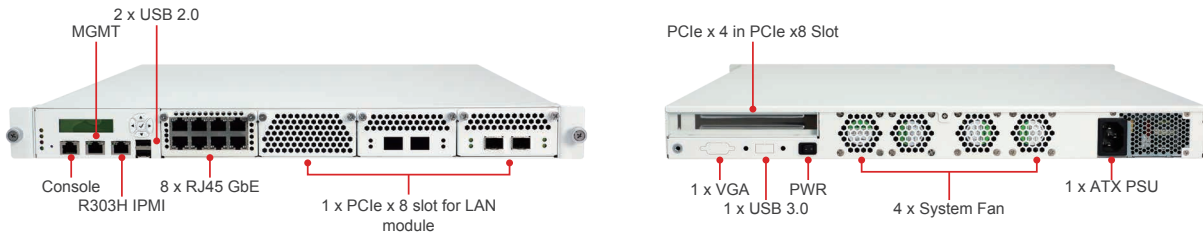
LCD Module	1 x 16x2 LCM
Keypad	5 x buttons keypad
LED	One Power LED (Green), One HDD LED (Yellow), Two GPO (Yellow), (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 400mm (D) x 44mm (H) (17.3"W x 16.7"D x 1.7"H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	5 ~ 95% relative humidity, non-operating, non-condensing
Weight	1pc/CTN, 11kgs, 58.5cm(W) x 57.5cm(D) x 22cm(H)
Certification	CE/FCC

Ordering Information

Standard	
SCB-1812A	1U Rack-Mount, Intel Broadwell-DE Xeon D-1527 Processor family, DDR4, 3 PCI-e slots for Expansion Module , Console, 2x USB, 2GbE, 1x SATA HDD, mSATA
SCB-1812B	1U Rack-Mount, Intel Broadwell-DE Xeon D-1548 Processor family, DDR4, 3 PCI-e slots for Expansion Module , Console, 2x USB, 2GbE, 1x SATA HDD mSATA
CB-1812A	Main board with Intel Broadwell-DE Xeon D-1527 Processor, DDR4, 3 PCI-e slots for Expansion Module , Console, USB, 2GbE, SATA, mSATA
CB-1812B	Main board with Intel Broadwell-DE Xeon D-1548 Processor, DDR4, 3 PCI-e slots for Expansion Module , Console, USB, 2GbE, SATA, mSATA

Optional	
R303H	IPMI Card with VGA Support
R380A	IO card (Console,LAN, USB, LEDs)
R383A	Round Keypad
R424A	Expansion module with 8 RJ45 GbE ports with two pairs G3 bypass, Intel i211
R441A	Riser Card for R442 with 1 PCIe x8 Slot
R442A	Expansion module with 2 SFP+ 10GbE ports, Cortina CS4227
R443A	Riser Card for Standard LAN Module
R445A	Expansion module with 2 SFP+ 10 GbE ports, Intel® 82599ES w/o re-driver
R445B	Expansion module with 2 SFP+ 10 GbE ports, Intel® X710-BM2 w/o re-driver
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

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



Dimensions

