

SCB-1910

Performance Network System

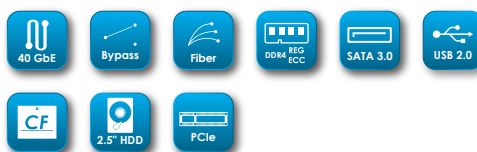
AEWIN Technologies Co., Ltd.

2U Rack-Mount Intel® Haswell-EP Xeon E5-2600V3 Series Processor and Intel® C612 PCH Network System, support DDR4 up to 256GB, 8 PCIe x8 slot for expansion NIC module, 2 x 2.5" SATA HDD swappable, 2 USB, 2 GbE, 1 Console, CF, 1 PCIe x8 slot, Redundant PSU



Features

- Support Intel® Haswell-EP processor, E5-2600 V3 Series processor, LGA 2011-3
- Four-channel DDR4 Registered 1866/2133 MHz memory, max support 256GB
- Max support 8 x PCIe x8 slots for expansion LAN module, up to 64 GbE Copper / Fiber ports
- 2 x 2.5" HDD/ SSD swappable.
- Support IPMI card with VGA (option)



Introduction

The SCB-1910 is 2U Rack-Mount high-performance networking system for fit all networking solutions by using New Intel® Microarchitecture Haswell-EP platform with efficient performance processor Xeon E5-2600 V3 family and the Intel® C612 series chipset (codenamed Wellsburg). This new generation platform provides highly performance, CPU cores up to 18 cores, supporting 45MB cache and total with 40 PCIe lanes.

The SCB-1910 is enhancement in computing performance, system responsiveness with Intel® E5-2600 V3 processor, supporting eight DDR4 ECC RDIMM/ LRDIMM (up to 2133 MHz) and maximum memory capacity is up to 256 GB. With 40 PCIe Express lanes, the SCB-1910 can support up to 8 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 64 GbE ports.

The strong IO elements of SCB-1910 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-1910 also supports two front-swappable 2.5" SATA HDDs/SSDs and onboard CompactFlash™ for basic network storage application.

Processor System	
CPU	Support Single Intel® Haswell-EP E5-2600V3 Series, LGA 2011-3
Chipset	Intel® Wellsburg C612 PCH
System Bus	N/A
BIOS	AMI® UEFI BIOS

Ethernet	
GbE Ethernet	Two RJ45 GbE ports

H/W Acceleration	
Security Processor	Cavium NITROX III CNN3550 Card (Optional)

Memory	
Technology	Total 8 DIMMs (Four channels per CPU, 2 DIMMs per channel) 1.ECC/ Registered DDR4 2133 MHz memory, up to 32GB per DIMM 2.LRDIMM : DDR4 2133 MHz, up to 32GB per DIMM
Capacity	ECC UDIMM/ RDIMM : up to 256GB LRDIMM : up to 256GB

Storage	
SATA	Support two 2.5" SATA HDD or solid state drives swappable
CompactFlash Socket	One Compact Flash™ Type II

Expansion	
Onboard Expansion Slots	1.One SO-DIMM slot for IPMI card with VGA support 2.One Gen.3 PCIe x4 in PCIe x8 slot

Power Supply	
Watt	2U Redundant 550W ATX Power Supply

I/O	
USB	Two external USB 2.0 port One internal USB 2.0 (5x2 pin header)
Serial	One RJ45 Console port (COM1) One internal 5x2 pin header (COM2)

Packing List	
<ul style="list-style-type: none">• one SCB-1910 unit• Two power cord• 1 x CD (Manual, Quick Installation Guide, Utility Driver)	

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

Mechanical and Environment

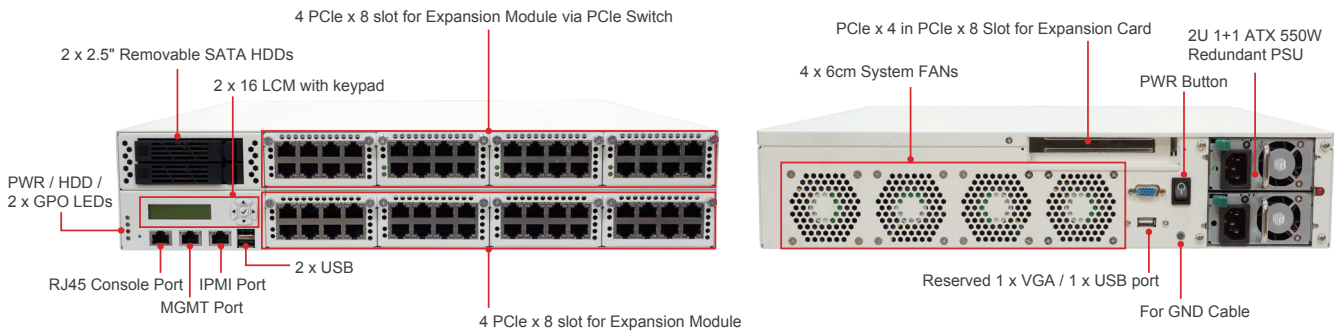
Form Factor	2U rack-mount
LED	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 501mm (D) x 88mm (H) (17.2"W x 20.04"D x 3.52"H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	10 ~ 85% relative humidity, non-operating,
Weight	20kg/44 lbs
Certification	CE/FCC

Ordering Information

Standard	
SCB-1910A-A	2U Rack-Mount, Single Intel Haswell-EP Processor with C612 PCH, DDR4, 8 PCIe x8 slots for Expansion Module , Console, USB, 2GbE, SATA, CF

Optional	
R303D	IPMI Card with VGA support for SCB-1910
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 82580EB
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-AM4
R408A	Expansion module with 4 RJ45 10G ports, Intel X540-BT2
R408B	Expansion module with 2 RJ45 10G ports, Intel X540-BT2
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

