

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. 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
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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

H/W Acceleration

Security Processor	Cavium NITROX III CNN3550 Card (Optional)
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Expansion

Onboard Expansion Slots	1.One SO-DIMM slot for IPMI card with VGA support 2.One Gen.3 PCIe x4 in PCIe8 slot
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Storage

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

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)

Power Supply

Watt	2U Redundant 550W ATX Power Supply
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Packing List

- 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

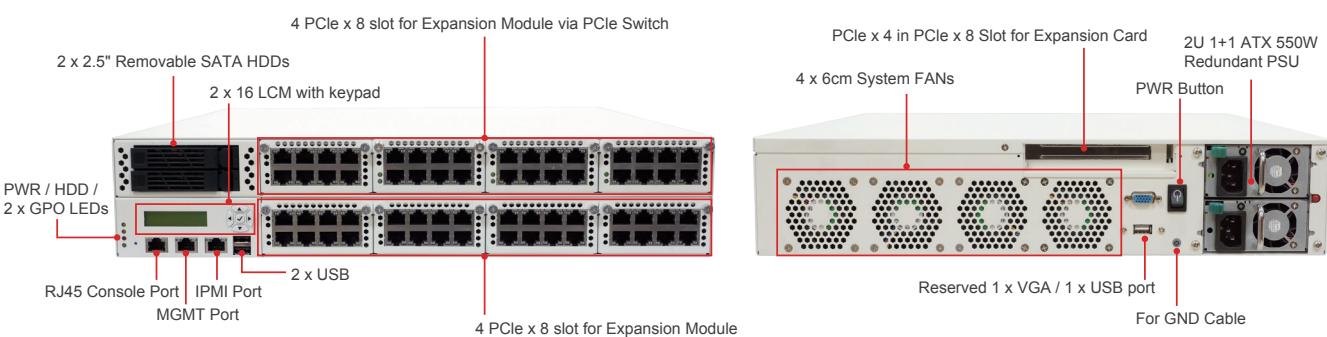
Form Factor	2U rack-mount
LED	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 501mm (D) x 88mm (H) (17.2" W x 20.04" D x 3.52" H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)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

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-C05204-00 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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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



Dimensions

