

SCB-1912A

Performance Network System

AEWIN Technologies Co., Ltd.

2U Rack-Mount Dual Intel® Haswell/Broadwell-EP Xeon® E5-2600 V3/V4 series processor and Intel® C612 PCH Networking System, support DDR4 up to 512GB, 8 PCIe x8 slots for expansion NIC module , 2 x 2.5" SATA HDD swappable, 2 USB3.0, 2 GbE, 1 Console, CF, m-SATA, M.2 2280, 1 PCIe x8 slot, Redundant PSU



Features

- Support Intel® Xeon® processor E5-2600 V3/V4 Series processor, LGA 2011-3
- Eight-channel DDR4 Registered 2133/2400 MHz memory, max support 512GB
- 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)
- Support 2U ATX Redundant Power Supply



Introduction

The SCB-1912A is 2U Rack-Mount high-performance networking system for fit all networking solutions by using New Intel® micro-architecture Haswell /Broadwell-EP platform with efficient performance processor Xeon® E5-2600 V3/V4 family and the Intel® C612 series chipset (codenamed Wellsburg).The new generation platform provides highly performance, CPU cores up to 22 cores, supporting 55MB cache and total with 40 PCIe lanes.

The SCB-1912A is enhancement in computing performance, system responsiveness with Intel® E5-2600 V3/V4 series processor, supporting sixteen DDR4 ECC Register DIMM (up to 2400 MHz) and maximum memory capacity is up to 512 GB. With 80 PCIe Express lanes, the SCB-1912A can support up to 8 NIC modules, supporting multiple Ethernet module bays for flexible port configuration; such as 1/10/40/Gigabit fiber, 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-1912A include two management Ethernet ports (one for management, another for option IPMI function), a console port, two USB ports, a Graph LCD module with keypad (5 key), LEDs for power/ HDD/ 2x GPO. In addition, the SCB-1912A also supports two front-swappable 2.5" SATA HDDs/SSDs and onboard Compact Flash /m-SATA /M.2 2280 slot for basic network storage application.

Specifications

▼ Processor System

CPU	Dual Intel® Haswell/Broadwell-EP E5-2600 V3/V4 Series, LGA 2011-3
Chipset	Intel® Wellsburg C612 PCH
System Bus	N/A
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 16 DIMMs (Four channels per CPU, 2 DIMMs per channel) Registered DDR4 1866/2133/2400 MHz memory, up to 32GB per DIMM
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Capacity R/LR-DIMM, up to 512GB

▼ Expansion

Onboard Expansion Slots	1.One SO-DIMM slot for IPMI card with VGA support 2.One Gen.3 PCIe x8 slot
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▼ I/O

USB	Two external USB 3.0 port One internal USB 3.0 (5x2 pin header)
Serial	One RJ45 Console port (COM1) One internal 5x2 pn header (COM2)

▼ Ethernet

GbE Ethernet	Two RJ45 GbE ports
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▼ H/W Acceleration

Security Processor	N/A
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▼ Storage

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

Watt	2U Redundant 800W ATX Power Supply
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▼ Packing List

- One SCB-1912A 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

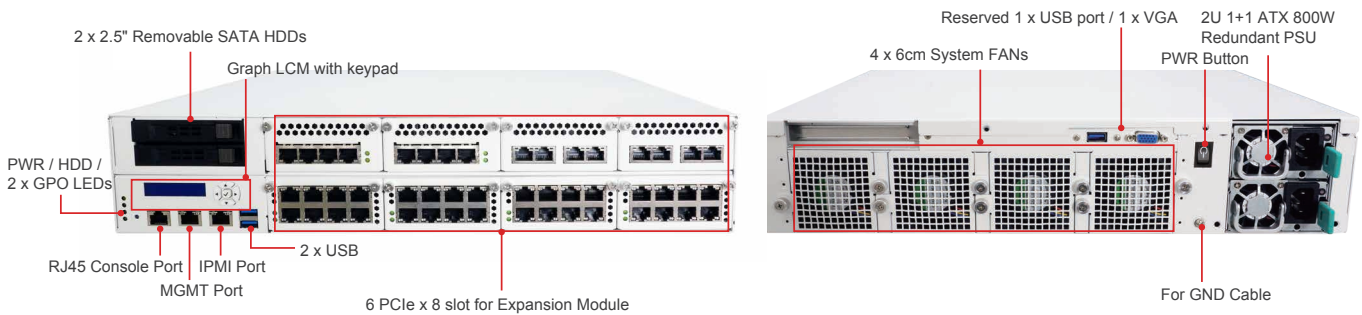
Form Factor	2U rack-mount
LED	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 600mm (D) x 88mm (H) (17.32"W x 23.62"D x 3.46"H)
Operating Temperature	Operating: 0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Humidity	10 ~ 85% relative humidity, non-operating,
Weight	20kg/44 lbs
Certification	CE/FCC

▼ Ordering Information

Standard	
SCB-1912A	2U Rack-Mount, Dual Intel® Haswell/Broadwell-EP Processor with C612 PCH, DDR4, 8 PCIe x8 slots for Expansion Module, Console, USB, 2GbE, SATA, CF, m-SATA, M.2 2280

Optional	
R303K	IPMI Card with VGA support for SCB-1912
R384A	Expansion module with 8 SFP GbE ports, Intel® 82580EB
R384B	Expansion module with 8 SFP GbE ports, Intel® I350-AM4
R385A	Expansion module with 8 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® 82580EB
R385B	Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel® I350-AM4
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel® XL710-BM1 w/o re-driver
R387A	Expansion module with 2 QSFP+ 40 GbE ports, Intel® XL710-BM2 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
R434A	Expansion module with 4 RJ45 GbE and 4 SFP GbE ports, two pairs Gen3 bypass, Intel® 82580EB
R434B	Expansion module with 4 RJ45 GbE and 4 SFP GbE ports, two pairs Gen3 bypass, Intel® I350-AM4
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-AM2 w/o re-driver
R479A	Expansion module with 4 SFP+ 10G ports, Intel®82599ES
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

