

# SCB-1913

Performance Network System

## AEWIN Technologies Co., Ltd.

1U 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, 4 PCIe x8 slots for expansion NIC module , 1 x 2.5" SATA HDD , 2 USB3.0, 2 GbE, 1 Console, CF, m-SATA, M.2 2280, Redundant PSU



### Features

- Support Intel® Xeon® processor E5-2680 V3/V4 Series processor, LGA 2011-3
- Eight-channel DDR4 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-1913A is 1U 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-1913A 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-1913A can support up to 4 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 32 GbE ports.

The strong IO elements of SCB-1913A 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-1913A also supports internal 2.5" SATA HDDs/SSDs and onboard Compact Flash /m-SATA /M.2 2280 slot for basic network storage application.

### Specifications

#### ▼ Processor System

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

#### ▼ Memory

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

#### ▼ Expansion

<b>Onboard Expansion Slots</b>	1.One SO-DIMM slot for IPMI card with VGA support
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#### ▼ I/O

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

#### ▼ Ethernet

<b>GbE Ethernet</b>	Two RJ45 GbE ports
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#### ▼ H/W Acceleration

<b>Security Processor</b>	N/A
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#### ▼ Storage

<b>SATA</b>	Support 2.5" SATA HDD or solid state drives
<b>CompactFlash Socket</b>	One Compact Flash™ Type II

#### ▼ Power Supply

<b>Watt</b>	1U Redundant 500W 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

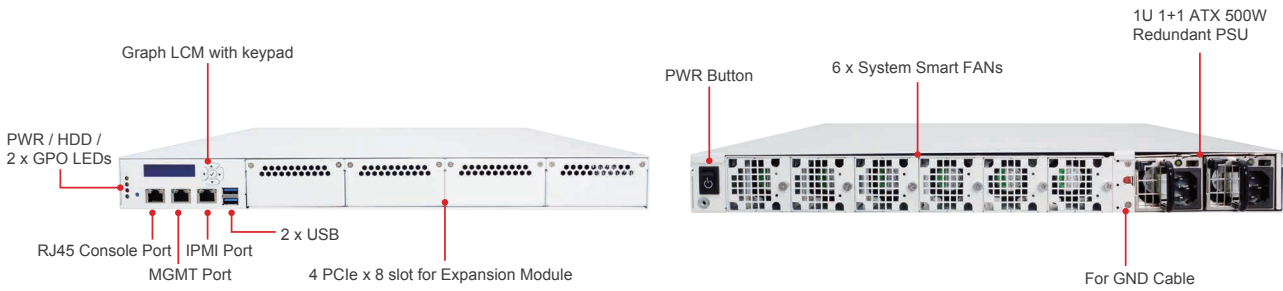
<b>Form Factor</b>	1U rack-mount
<b>LED</b>	One Power LED (Green) One HDD LED (Red) Two Status LED (Green/Yellow via programmable GPIO)
<b>Dimension (W x D x H)</b>	440mm (W) x 630mm (D) x 44mm (H) (17.32"W x 24.80"D x 1.73"H)
<b>Operating Temperature</b>	Operating: 0 ~ 40°C ( 32 ~ 104°F )
<b>Storage Temperature</b>	-40 ~ 75°C (-40 ~ 167°F)
<b>Humidity</b>	10 ~ 85% relative humidity, non-operating,
<b>Weight</b>	15kg/33 lbs
<b>Certification</b>	CE/FCC

▼ Ordering Information

Standard	
<b>SCB-1913A</b>	1U Rack-Mount, Dual Intel® Haswell/Broadwell-EP Processor with C612 PCH, DDR4, 4 PCIe x8 slots for Expansion Module, Console, USB, 2GbE, SATA, CF, m-SATA, M.2 2280

Optional	
<b>R303L</b>	IPMI Card with VGA support for SCB-1912
<b>R384A</b>	Expansion module with 8 SFP GbE ports, Intel® 82580EB
<b>R384B</b>	Expansion module with 8 SFP GbE ports, Intel I350-AM4
<b>R385A</b>	Expansion module with 8 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® 82580EB
<b>R385B</b>	Expansion module with 8 RJ45 GbE ports, two pairs Gen 3 bypass, Intel I350-AM4
<b>R386A</b>	Expansion module with 4 SFP+ 10 GbE ports, Intel® XL710-BM1 w/o re-driver
<b>R387A</b>	Expansion module with 2 QSFP+ 40 GbE ports, Intel® XL710-BM2 w/o re-driver
<b>R405A</b>	Expansion module with 4 SFP GbE ports, Intel® i350-AM4
<b>R406A</b>	Expansion module with 4 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® i350-AM4
<b>R408A</b>	Expansion module with 4 RJ45 10G ports, Intel X540-BT2
<b>R408B</b>	Expansion module with 2 RJ45 10G ports, Intel® X540-BT2
<b>R434A</b>	Expansion module with 4 RJ45 GbE and 4 SFP GbE ports, two pairs Gen3 bypass, Intel 82580EB
<b>R434B</b>	Expansion module with 4 RJ45 GbE and 4 SFP GbE ports, two pairs Gen3 bypass, Intel I350-AM4
<b>R445A</b>	Expansion module with 2 SFP+ 10 GbE ports, Intel 82599ES w/o re-driver
<b>R445B</b>	Expansion module with 2 SFP+ 10 GbE ports, Intel X710-AM2 w/o re-driver
<b>R479A</b>	Expansion module with 4 SFP+ 10G ports, Intel 82599ES
<b>DK002</b>	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

