

SCS-4060

Performance Network System

AEWIN Technologies Co., Ltd.

4U Rack-Mount Intel® Haswell-EP Xeon® E5-2600V3 Series Processor and Intel® C612 PCH Multi-Node Up Server, support DDR4 up to 128GB, 1 x 2.5" SATA HDD, 2 USB, 1 GbE, 2 x 40GbE QSFP+, 1 Console, mini-PCIe per node. 2+1 Redundant 1000W per module Power Supply



Features

- High-density, Enterprise Performance, Cost-effective, Energy Saving, Multi-node UP Server.
- Up to 6 Hot-Pluggable node in 4U rack-mount chassis.
- Support dual Intel® Haswell-EP processors, E5-2600 V3 Series processor, LGA 2011-3 per node.
- Max 256GB Eight-channel DDR4 Registered 1866/2133 MHz memory per node.
- One PCIe x 16 & PCIe x 1 slot for expansion Module.
- Max 2x 40GbE QSFP+, 1 Console in RJ45, 1 MGMT in RJ45, 2 USB2.0, 1 VGA, support one option Ethernet Module per node.
- 2+1 Redundant Power, 1000 Watt per module, Total 2000W Power output.



Introduction

The SCS-4060 is 4U Rack-Mount, high-density, enterprise performance, cost-effective, energy saving, multi-node UP Server. It support up to 6 hot-pluggable node in 4U rack-mount chassis. SCS-4060 is high-performance networking system 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.

SCS-4060 built with two Intel® Xeon E5-2600V3 series processor and support Intel® QuickPath Interconnects running up to 9.6 GT/s speeds per node. Intel® QPI (Quick Path Interconnect) links are a high speed, point-to-point interconnect bus between the processor and chipset to reduce memory socket latency and to increase performance.

The SCS-4060 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 128 GB per node. The strong IO elements of SCS-4060 include two 40GbE QSFP+ ports, one management Ethernet ports, a console port, two USB ports and LEDs for power/ HDD/ GPIO. In addition, the SCS-4060 also supports one 2.5" SATA HDD/SSD and onboard mini-PCIe slot for mSATA used to fit the basic network storage application.

Processor System

CPU/per node	Support dual Intel® Haswell-EP E5-2600V3 Series, LGA 2011-3
Chipset	Intel® Wellsburg C612 PCH
System Bus	QPI up to 9.6GT/s
BIOS	AMI® UEFI BIOS

Memory / per node

Technology	Total 8 DIMMs (Four DIMMs per CPU) 1.ECC/ Registered DDR4 2133 MHz memory, up to 16GB per DIMM 2.LRDIMM : DDR4 2133 MHz, up to 16GB per DIMM.
Capacity	ECC UDIMM/ RDIMM : up to 128GB LRDIMM : up to 128GB

Expansion Slot / per node

Onboard Expansion Slots	One PCIe x16 and one PCIe x1 slot for expansion module. One Mni-PCIe slot
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I/O / per node

USB	Two external USB 2.0 port
Serial	One RJ45 Console port

Ethernet / per node

GbE Ethernet	One RJ45 GbE ports, 2 x 40GbE QSFP+
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Storage / per node

SATA	Support one 2.5" SATA HDD or solid state drives.
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Power Supply

Watt	2+1 Redundant 1000W per module Power Supply
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Mechanical and Environment

Form Factor	4U rack-mount
LED	One Power LED (Green) One HDD LED (Red) One Status LED (Green/Yellow via programmable GPIO)
Dimensions (W x D x H)	430mm (W) x 746mm (D) x 176mm (H) (16.93"W x 29.37"D x 6.93"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, non-condensing
Weight	50 kg
Cerifications	CE/FCC

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

Packing List

- One SCS-4060 unit
- Three power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

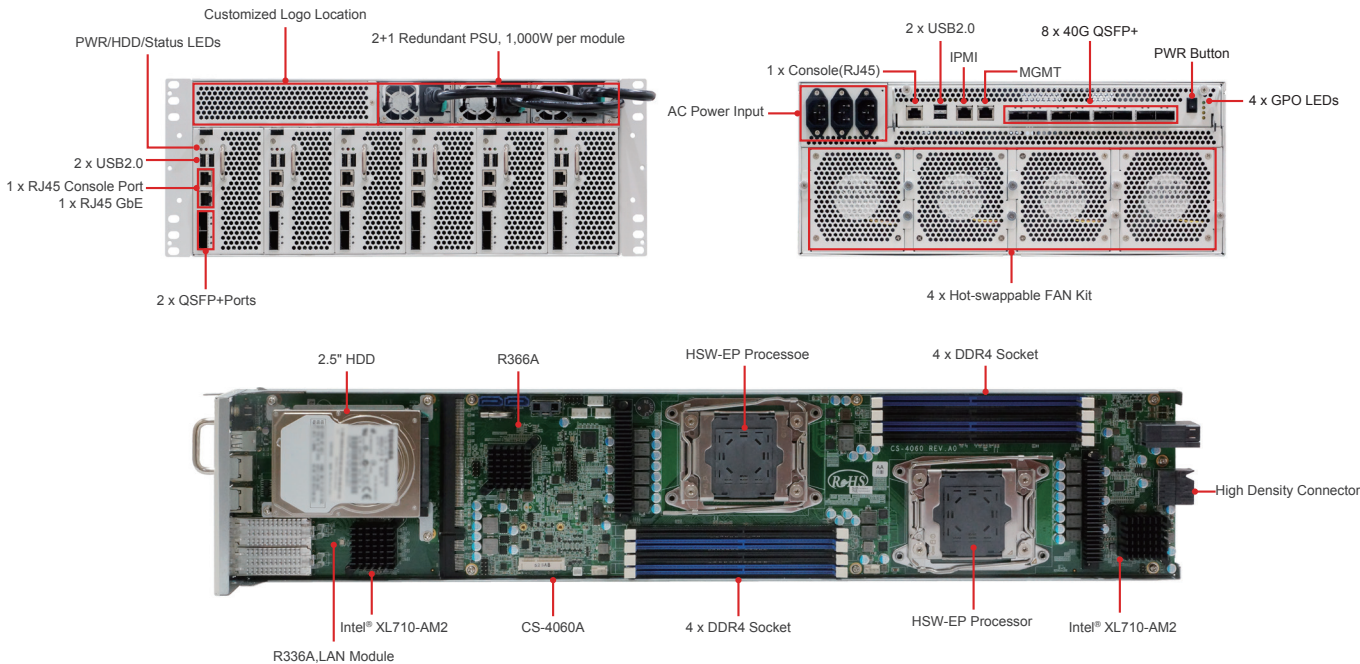
Ordering Information

Standard	
SCS-4060A-A	4U Rack-Mount 6 nodes Intel® Xeon® E5-2600V3 series processor and C612 PCH Network
CS-4060A-A	Motherboard with C612 PCH, support Intel® Haswell-EP processor, DDR4, PCIe slot, IPMI

Optional

R366A	Expansion module with 2xUSB, 1x MGMT RJ45 GbE, Console, LED, 2x QSFP+ ports, Intel® i210-AT & XL710-AMZ	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

