

SCB-1927

Performance Network Appliance

AEWIN Technologies Co., Ltd.

High-End 2U Rack-mount Single Intel® Skylake SP / Cascade Lake SP Xeon® scalable series Processor with Intel® C621 PCH Networking System, support DDR4 Maximum up to 1TB(per CPU), 8x PCIe x8 slot for Expansion Lan Modules, 2x USB2.0, 2xGbE, 1x Console, m-SATA, 2x 2.5" Hot-swap HDD/SSD, redundant PSU



Features

- Single Intel® Skylake SP / Cascade Lake SP Xeon® scalable series Processor,LGA3647
- 6-channel DDR4 ECC/Registered 2933 MHz memory, Max up to 768TB(per CPU)
- Support Intel® QAT (by SKU)
- 8x PCIe x8 slot for Expansion Lan Modules
- 2x 2.5" Hot-swap HDD/SSD, 1x m-SATA
- Support BMC on board

Description

The SCB-1927 is a 2U Rack-Mount networking system. Supporting Intel® Purley platform with efficient performance processor Xeon® scalable series and Intel® C621 PCH (codenamed Lewisburg). The new generation platform provides high performance, CPU cores up to 28 cores, supports AVX-512 instructions, Ultra Path Interconnect (UPI) up to 10.4 GT/s.

The SCB-1927 supports 6 channels DDR4 register ECC DIMM (up to 2933MHz) and maximum memory capacity is up to 768TB(per CPU). With 48 PCI Express lanes, the SCB-1927 can support up to 8 NIC modules, support multiple Ethernet module bays for flexible port configuration; such as 1/10/40 Gigabit fiber, Gigabit copper with BYPASS function or not.

The strong IO elements of SCB-1927 include two management Ethernet port (one for management, another for option IPMI function), a console port, two USB 2.0 ports, LEDs for PWR / HDD / 2x GPO. In addition, the SCB-1927 also supports 2x 2.5" Hot-swap HDD/SSD and onboard m-SATA slot for basic network storage application.

Specifications

▼ Processor System

CPU	Support Single Intel® Skylake-SP / Cascade Lake SP Xeon® scalable Series Processor, Socket P, LGA3647
Chipset	Intel® Lewisburg C621 PCH
System Bus	UPI up to 10.4 GT/s
BIOS	AMI 64Mb SPI BIOS

▼ Memory

Technology	Total 12 DIMMs (6 memory channels per CPU, 2 DIMMs per channel, 12 DIMMs per CPU) ECC & Registered : 2933 MHz memory
Capacity	Max Up to 768TB Validated up to 192 GB(using 16GB 3200 DIMMs)

▼ Expansion

Onboard Expansion Slots	8x PCIe x8 slots for NIC module
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▼ I/O

USB	2x external USB 2.0 port(Front x 2) 1x USB3.0 on the rear side
Serial	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2) 1x internal 1x4 + 1x5 pin header for LCM module

▼ Ethernet

GbE Ethernet	2x RJ45 GbEports(MGHT/IPMI port)
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▼ Storage

SATA	2x 2.5" Hot-swap HDD/SSD
mSATA	1x m-SATA socket

▼ Power Supply

Watt	Redundant 550W Power
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▼ Mechanical and Environment

Form Factor	2U rack-mount
LED	1 x PWR LED 1 x HDD LED 2 x GPO LED
Dimension (W x D x H)	440mm(W) x 600 mm(D) x 88.9mm(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	21 kg
Certification	CE/FCC

▼ Packing List

- 1x SCB-1927 unit
- 2x power cord

Ordering Information

SCB-1927A High-End 2U Rack-mount Single Intel® Skylake SP / Cascade Lake SP Xeon® scalable series Processor and Intel® C621 PCH Networking System, support DDR4 Maximum up to 768TB(per CPU), 8x PCIe x8 slot for Expansion Lan Modules, 2x USB2.0, 2 GbE, 1x Console, m-SATA, 2x 2.5" Hot-swap HDD/SSD, redundant PSU

Optional

R384B	Expansion module with 8 SFP GbE ports, Intel i350-AM4	R405A	Expansion module with 4 SFP GbE ports, Intel® i350-AM4
R385C	Expansion module with 8 RJ45 GbE ports, Intel Intel® I350-AM4	R406A	Expansion module with 4 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® i350-AM4
R386A	Expansion module with 4 SFP+ 10 GbE ports, Intel XL710-BM1 w/o re-driver	R445B	Expansion module with 2 SFP+ 10GbE ports, Intel® X710-BM2 w/o Re-driver
R387A	Expansion module with 2 QSFP+ 40 GbE ports, Intel XL710-BM2 w/o re-driver	R471D	Expansion module with 8 RJ45 GbE ports with two pairs Gen.3 bypass, Intel® I350-AM4

I/O

