SCB-1932
Performance Network Appliance

AEWIN Technologies Co., Ltd.

2U Rackmount Dual 3rd Gen Intel Xeon Scalable Processor (Ice Lake-SP) and Intel® C621A/C627A PCH Network System, support DDR4 RDIMM/LRDIMM and Intel Optane up to 6TB, 8x PCIe Gen4 x8 slots for Network Expansion Module, 2x easy-swappable 2.5"SATA HDDs/SSDs, IPMI, USB 3.0, 2x 1GbE, 1x Console, CF/mSATA/miniPCI-E, M.2, Redundant PSU.

UTM   ADC   MEC   NGFW

Features

- Support 3rd Gen Intel Xeon Scalable Processor(Ice Lake-SP), Socket P+ 4189pin
- Support up to 6TB DDR4 RDIMM/LRDIMM 3200MHz & Intel® Optane™ Persistent Memory 200 series
- Max support 8x PCIe Gen4 x8 slots for Network Expansion Module
- Support BMC/IPMI& hardware One-Key Bypass function

Description

The SCB-1932 is a 2U Rack-Mount hardware networking system. Supporting Intel®Whitley/Ice Lake-SP with efficient performance processor Xeon® scalable series and Intel® C621A/C627A PCH (codenamed Lewisburg). The new generation platform provides higher performance and increased CPU cores up to 40 cores, 3 Ultra Path Interconnect (UPI) links up to 11.2 GT/s.

The SCB-1932 supports 8x channels DDR4 RDIMM/LRDIMM (up to 3200 MHz) and Intel Optane PMem to have Max. capacity of 6TB. With 64 PCI Express lanes per CPU, the SCB-1932 can support up to 8x Network Expansion Modules. Multiple different ethernet modules are available for flexible port configuration, such as 1/10/40/100 Gigabit fiber and Gigabit Copper/Fiber with or without BYPASS function. The maximum ethernet bandwidth capacity is up to 1,000GbE.

The strong IO elements of SCB-1932 include two management port (one for management, another for option IPMI function), a console port, USB ports, LEDs for power/ HDD/ 2x GPIO. In addition, the SCB-1932 also supports two front-access easy-swappable 2.5" SATA HDDs/SSDs and onboard CompactFlash/m-SATA/miniPCI-E, M.2 slot for network storage application.

Specifications

▼ Processor System

CPU	Support Dual 3rd Gen Intel Xeon Scalable Processor(Ice Lake-SP), Socket P+,4189pin
Chipset	Intel® Lewisburg C621A/C627A PCH (by SKUs)
System Bus	UPI up to 11.2GT/s
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 16 DIMMs (8 channels per CPU, 1x DIMM per channel, 8 DIMMs per CPU) --DDR4 RDIMM/LRDIMM up to 3200 MHz, up to 256GB per DIMM --Intel® Optane™ DC Persistent Memory (DCPMM) 200 Series module, up to 512GB per DIMM
Capacity	RDIMM/ LRDIMM + DCPMM up to total 6TB

▼ Expansion

Onboard Expansion Slots	8x PCIe Gen4 x8 slots for NIC module 2x M.2、one CF/mSATA/miniPCI-E, 2x internalSlimSAS 8i connector 1x rear PCIe x8 slot for Standard PCIe card (Optional)

▼ I/O

USB	2x external USB 2.0 port 1x internal USB 3.0 pin header
Serial	1x RJ45 Console port (COM1) 2x internal pin header (COM2 & COM3)

▼ Ethernet

GbE Ethernet	2x RJ45 1GbE portsin systemfront

▼ Storage

SATA	Support 2x 2.5" SATA HDD or SSD
mSATA	2x M.2 2280 socket (M-Key)
Ext. Storage	Either for CompactFlash/mSATA/miniCPI-E (Co-Layout)

▼ Power Supply

Watt	850W/1300W/1600W Redundant power supply (CRPS), 12V output / RoHS

▼ Mechanical and Environment

Form Factor	2U Rackmount
LED	1x Power LED (Green) 1x HDD LED (Red) 2x Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm(W) x 600 mm(D) x 88mm(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-1932 unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

Ordering Information

SCB-1932A	2U Rackmount, Dual Intel ICX-SP processor with C621APCH, DDR4, 8x PCIe x8 slots for NIC, Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA	SCB-1932D	2U Rackmount, Dual Intel ICX-SP processor with C621APCH, DDR4, 8x PCIe x8 slots forNIC,OCP 3.0,Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA
SCB-1932B	2U Rackmount Dual Intel ICX-SP processor with C621APCH, DDR4, 4x PCIe x8 slots for NIC,PCIex16 slot for Standard PCIe Card or T4 GPU Card,Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA	SCB-1932E	2U Rackmount, Dual Intel ICX-SP processor with C621APCH, DDR4, 8x PCIe x8 slots for NIC, Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA, Front PSU
SCB-1932C	2U Rackmount, Dual Intel ICX-SP processor with C621APCH, DDR4, 4x PCIe x8 slots for NIC,PCIex16 slot for dual width GPU Card,Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA	SCB-1932F	2U Rackmount, Dual Intel ICX-SP processor withC627APCH, DDR4, 8x PCIe x8 slots for NIC, Console, USB, 2x GbE, M.2 2280, BMC, 2x SlimSAS 8i 2x2.5 SATA, m-SATA

Optional

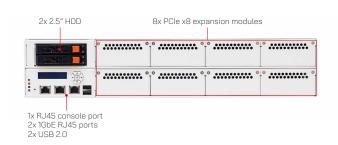|			
RS054A	5 pin Fan card for FAN module 180D Male connector for SCB-1932A	ZRS045A	Riser card with 1 x16 lanes via high speed CONN to 1 x16 lanes high speed CONN for RS040A
RS055A	RS055A, 5 pin Fan card for FAN module 180D Female connector for SCB-1932A	ZRS046A	Riser card with 1 x16 lanes via high speed CONN to 1 x16 lanes high speed CONN for RS044A
ZBP009A	CRPS Power Distribution Board for 2U system	RS044A	Riser card with 1 x16 lanes via high speed CONN to 1 PCIe x16 Slot for 2nd Layer Dual Width GPU card
ZBP013A	Backplane with HDD Active LED and HDD Fault LED support 2 2.5" SATA HDD Tray with hot-swappable	R380A	I/O card with Console, 2xLAN, USB, LEDs for SCB-1910
ZRS041A	Riser card with 2 SlimSAS x8 to 1 PCIe x16 Slot for rear standard PCIe add-on card	ZRS042A	Riser card with mSATA CONN to CF socket
ZRS040A	Riser card with 1 x16 lanes via high speed CONN to 1 PCIex16 slot for 2nd Layer standard PCIe x16 add-on card		

I/O

2x 2.5" HDD

8x PCIe x8 expansion modules

1x RJ45 console port
2x 1GbE RJ45 ports
2x USB 2.0

PCIe x16 slot

PWR button

4x system fan

CRPS 850/1600W Power