

SCB-1932

Performance Network Appliance

AWIN 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 up to 2TB, 8x PCIe Gen4 x8 slot for Network Expansion Module, 2x 2.5" SATA HDD hot-swappable, IPMI, USB 3.0, 2x 1GbE, 1x Console, CF/mSATA/miniPCI-E, M.2, Redundant PSU



Features

- Support 3rd Gen Intel Xeon Scalable Processor(Ice Lake-SP), Socket P+ 4189pin
- Support Max 2TB DDR4 2933/3200MHz & Optane DC PersistentMemory
- 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 highly performance, CPU cores up to 38 cores, 3 Ultra Path Interconnect (UPI) links up to 11.2 GT/s.

The SCB-1932 supports 8x channels DDR4 register ECC RDIMM (up to 3200 MHz) and maximum memory capacity is up to 1TB with 64 PCI Express lanes per CPU, the SCB-1932 can support up to 8xNetwork Expansion Modules, support multiple different ethernet modules for flexible port configuration, such as 1/10/40/100 Gigabit fiber, 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 hot-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) -- ECC & Registered RDIMM : DDR4 2933/3200 MHz memory, up to 128GB per DIMM --LRDIMM : DDR4 2933/3200 MHz, up to 128GB per DIMM
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Capacity ECC RDIMM / LRDIMM up to 2TB total

▼ 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)
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▼ 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
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▼ 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
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▼ 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 for NIC, 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, PCIe x16 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, PCIe x16 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 with C627APCH, 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 PCIe x16 slot for 2nd Layer standard PCIe x16 add-on card		

I/O

