

SCB-1739

Mainstream Network Appliance

AWIN Technologies Co., Ltd.

1U Rack-Mount, Intel Atom P5300/C5000 processor (SnowRidge/ParkerRidge), 4 DDR4 slot, 2 copper RJ45, 8 SFP+ 10G GbE, 4 GbE RJ45 (Intel i350-AM4), Bypass, 2 PCIe x8 Slot for NIC, Console, USB, SATA, mSATA, IPMI, Redundant PSU



Features

- Support Intel Atom P5300/C5000 processor (SnowRidge/ParkerRidge), 2106 Ball FCBGA
- Support Max 128GB DDR4 2133/2400/2667/2933 MHz RDIMM or UDIMM
- Max support 2x PCIe Gen3 x8 slots for Network Expansion Module
- Option BMC/IPMI Card

Description

The SCB-1739 is a 1U Rack-Mount network appliance. It is based on Intel Atom P5300/C5000 processor (SnowRidge/ParkerRidge) with increased CPU cores up to 24 for higher performance and better efficiency.

The SCB-1739 has 2x channels DDR4 register ECC RDIMM (up to 2933 MHz), and maximum memory capacity is up to 128GB. With 32 PCI Express lanes, the SCB-1739 features up to two Network Expansion Modules to support multiple different ethernet modules for building flexible configuration with options of 1/10/40/100 Gigabit fiber, Gigabit Copper/Fiber with or without BYPASS function. The strong IO elements of SCB-1739 include two management port (one for management, another for option IPMI function), a console port, USB ports, etc. In addition, the SCB-1739 also supports internal 2.5" SATA HDD/SSD and onboard m-SATA/miniPCI-E slot for network storage application.

Specifications

Processor System

CPU	Intel Atom P5300/C5000 processor (SnowRidge/ParkerRidge)
Chipset	Built in SoC
BIOS	AMI UEFI BIOS

Memory

Technology	DDR4 2133/2400/2667/2933, 2 Channels 64 bits Total 4 DIMMs (2 channels per CPU, 2x DIMM per channel)
Capacity	ECC RDIMM / UDIMM up to 128GB total

Ethernet

GbE Ethernet	6x RJ45 1GbE 8x SFP+ 10GbE
LAN Bypass	2x pairs bypass

Expansion

Onboard Expansion Slots	2x PCIe Gen3 x8 slots for NIC module 1x mSATA/miniPCI-E 1x rear PCIe x8 slot for PCIe card (Optional)
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I/O

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

Storage

SATA	Support 1x 2.5" internal SATA HDD or SSD
mSATA	1x mSATA

Power Supply

Watt	300W RPSU or 250W Flex PSU
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Mechanical and Environment

Form Factor	1U rack-mount
LED	1x Power LED (Green) 1x HDD LED (Red) 1x Status LED (Green/Yellow via programmable GPIO) 2x Bypass LED (Green)
Dimension (W x D x H)	438mm(W) x 510 mm(D) x 44mm(H)
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	10 ~ 85% relative humidity, non-operating, non-condensing
Weight	10 kg
Certification	CE/FCC

Packing List

- 1x SCB-1739 unit
- 1x power cord

Ordering Information

SCB-1739A 1U Rack-Mount, Intel Snow Ridge P5362 Processor, 4 DDR4 slot, 2 copper RJ45, 8 SFP+ 10G GbE, 4 GbE RJ45 (Intel i350-AM4) , Bypass, 2 PCIe x8 Slot for NIC, Console, USB, SATA ,mSATA, IPMI, Redundant PSU

SCB-1739B 1U Rack-Mount, Intel Snow Ridge P5362 Processor, 4 DDR4 slot, 2 copper RJ45, 8 SFP+ 10G GbE, 4 GbE RJ45 (Intel i350-AM4) , Bypass, 2 PCIe x8 Slot for NIC, Console, USB, SATA ,mSATA, IPMI, Single PSU

I/O

