

SCB-1741

Mainstream Network Appliance

AWIN Technologies Co., Ltd.

1U Rack-Mount, Intel Alder Lake-S/Raptor Lake-S processor with R680E PCH, 4x DDR4, 2x RJ45 GbE, 1x RJ45 Console, 2x USB, 6x I210AT GbE, 2x I210IS SFP, 4x SATA3, mSATA, NVMe M.2, 2x SlimSAS for expansion, 2x PCIe x8 slots for NIC card, 300W redundant PSU



Features

- Supporting 12th/13th Gen Intel® Core™ Processor (Alder Lake-S/Raptor Lake-S), LGA1700
- 4x DDR4 UDIMM memory up to 3200MHz, max. 128GB
- 2x RJ45 1GbE or 2x 1GbE SFP, 8x 1GbE RJ45, 2x Expansion Module bays
- 4x SATA, 1x mSATA, 1x NVMe M.2
- Support TPM features

Description

The SCB-1741 is a 1U Rack-Mount hardware networking system supporting Single Intel® Alder Lake-S (12th Core) and Raptor Lake-S (13th Core) processors with Intel® R680E PCH. This 1U Mainstream Network Appliance features 4 DDR4 UDIMM slots, which supports 4x DDR4 UDIMM (up to 3200 MHz) and the maximum memory capacity is up to 128GB.

With two onboard PCIe x8 slots, the SCB-1741 supports multiple Ethernet modules for flexible internet connection configuration, such as 10/40/100 Gigabit fiber NIC module, function enabled (or unenabled) Gigabit Copper/Fiber NIC module, through this flexibility, customers' various needs can be satisfied.

The strong IO elements include two management Ethernet port, a console port, two USB ports, LEDs for PWR/HDD/2x GPO/3x Bypass. In addition, the SCB-1741 also supports 4x SATA III, 1x mSATA and 1x NVMe M.2 for network storage application.

Specifications

▼ Processor System

CPU	Intel® 12th/13th Gen Core™ (Alder Lake-S/Raptor Lake-S) Processors, LGA1700
Chipset	Intel® R680E PCH
BIOS	AMI UEFI BIOS

▼ Memory

Technology	Total 4 x DIMMs (2 channels & two DIMM per channel) -- ECC DIMM : Depends on CPU type -- DIMM : DDR4 3200MHz, up to 128GB
Capacity	Max Up to 128GB

▼ Expansion

Onboard Expansion Slots	2x PCIe Gen3 x8 slots for NIC module
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▼ I/O

USB	2x USB2.0 type A connector (via R642) 2x USB3.0 pin header
Serial	1x RJ45 type connector (via R642) 1x COM pin header

▼ Ethernet

GbE Ethernet	2x RJ45 management ports 6x RJ45 GbE ports 2x SFP or RJ45 GbE ports
LAN Bypass	3 Pairs Gen3

▼ Storage

SATA	4x SATA 3 connectors
mSATA	1x m-SATA socket
M.2	1x NVMe M.2

▼ Power Supply

Watt	Redundant 300W Power
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▼ Mechanical and Environment

Form Factor	1U rack-mount
LED	1x Power LED (Green) 1x HDD LED (Red) 2x Status LED (Green/Yellow via programmable GPIO) 3x Bypass LED (Green)
Dimension (W x D x H)	440mm(W) x 450 mm(D) x 44mm(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	10 kg
Certification	CE/FCC

▼ Packing List

- 1x SCB-1741 unit
- 2x power cord

Ordering Information

SCB-1741A 1U Rack-Mount, Intel Alder Lake-S & Raptor Lake-S processor with R680E PCH, 4x DDR4, 2x RJ45 GbE, RJ45 Console, 2x USB, 6x I210AT GbE, 2x I210IS SFP, 4x SATA3, mSATA, NVMe M.2, 2x SlimSAS for expansion & BPO03 + 300W redundant PSU

SCB-1741B 1U Rack-Mount, Intel Alder Lake-S & Raptor Lake-S processor with R680E PCH, 4x DDR4, 2x RJ45 GbE, RJ45 Console, 2x USB, 8x I210AT GbE, 4x SATA3, mSATA, NVMe M.2, 2x SlimSAS for expansion & 250W single PSU

I/O

