

SCB-1742

Mainstream Network Appliance

AEWIN Technologies Co., Ltd.

1U Rack-Mount, AMD AM5 Ryzen™ Embedded 7000 Series CPU with AMD B650 PCH, 4x DDR5, 1x RJ45 Console, 2x USB, 2x I210-IS SFP, 4x I210-AT GbE, 4x I226-LM 2.5GbE, 4x SATA3, NVMe M.2, 1x SlimSAS 4i for expansion, 2x PCIe x8 slots for NIC cards, and 300W redundant PSU



Features

- Supporting AMD AM5 Ryzen™ Embedded 7000 Series CPU
- 4x DDR5 UDIMM memory up to 5200MHz, max. 128GB
- 2x RJ45 1GbE or 2x 1GbE SFP, 4x 1GbE RJ45, 4x 2.5GbE RJ45, 2x Expansion Module bays
- 4x SATA, 1x NVMe M.2
- Support TPM features

Description

The SCB-1742 is a 1U Rack-Mount hardware networking system supporting Single AMD AM5 Ryzen™ Embedded 7000 Series CPU with AMD B650 PCH.

This 1U Mainstream Network Appliance features 4 DDR5 UDIMM slots, which supports 4x DDR5 UDIMM (up to 5200 MHz) and the maximum memory capacity is up to 128GB.

With two onboard PCIe x8 slots, the SCB-1742 supports multiple Ethernet modules for flexible internet connection configuration, such as 1/10/40/100 Gigabit fiber NIC module, BYPASS function enabled (or unenabled) Gigabit Copper/Fiber NIC module, through this flexibility, customers' various needs can be satisfied.

The strong IO elements include four 2.5GB Ethernet port, a console port, two USB ports, and LEDs for PWR/HDD/2x GPO/3x Bypass. In addition, the SCB-1742 also supports 4x SATA III, and 1x NVMe M.2 for network storage application.

Specifications

▼ Processor System

CPU	AMD Ryzen™ Embedded 7000 Series Processors, AM5
Chipset	AMD B650 PCH
BIOS	AMI UEFI BIOS

▼ Memory

Technology	Total 4 x DIMMs (2 channels & two DIMM per channel) -- ECC DIMM : Depends on CPU type -- DIMM : DDR5 5200MHz, up to 128GB
Capacity	Max Up to 128GB

▼ Expansion

Onboard Expansion Slots	2x PCIe Gen4 x8 slots for NIC modules
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▼ I/O

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

▼ Ethernet

GbE Ethernet	4x RJ45 2.5GbE ports 4x RJ45 GbE ports 2x SFP or RJ45 GbE ports
LAN Bypass	2 Pairs Gen3

▼ Storage

SATA	4x SATA 3 connectors
M.2	1x M Key (2280)

▼ 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) 1x Status LED (Amber via programmable GPIO) 1x Bypass LED (Amber)
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-1742 unit
- 2x power cord

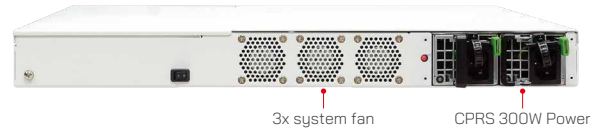
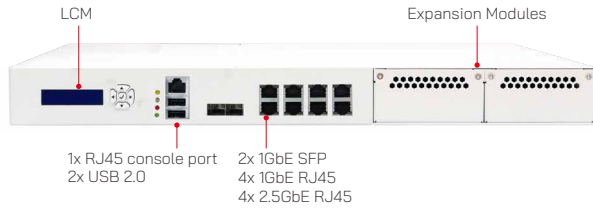
Ordering Information

SCB-1742A 1U rack-mount sys., AMD Ryzen 7000 series CPU with B650 PCH, 4xDDR5 UDIMM, LCM, RJ45 Console, 2x USB, 8x GbE (4x I210-AT, 4x I226-LM), 2x SFP (I210-IS), NVMe M.2, 2x NIC slots, PCIe x8 slot for rear expansion, 300W+300W Slim PSU

SCB-1742B 1U rack-mount sys., AMD Ryzen 7000 series CPU with B650 PCH, 4xDDR5 UDIMM, 2x Swap. SSD slots, RJ45 Console, 2x USB, 10x GbE (6x I210-AT, 4x I226-LM), NVMe M.2, 2x NIC slots, PCIe x8 slot for rear expansion, 250W single PSU

I/O

SCB-1742A



SCB-1742B

