

SCB-1935

Edge Computing Server

AWIN Technologies Co., Ltd.

1U Rack-mount Edge Computing Server with single AMD® EPYC™ 7002/7003 (Rome/Milan) Series Processor, support DDR4 memory up to 3200MHz, 2x PCIe x8 slots for Expansion Module / 4x NVMe, 2x half-height PCIe x8 (for 2x T4) or 1x full-height PCIe x16 front-access expansion slots, 2x USB3.0, 2x 1GbE, 1x Console, 1x m-SATA, 2x M.2 2280/22110, Redundant PSU



Features

- Support AMD® EPYC™ 7002/7003 (Rome/Milan) processors
- 8-channel DDR4 3200MHz memory
- 2x PCIe x8 for Network Expansion Module, plus 2x PCIe x8 or 1x PCIe x16 for GPU or FPGA

Description

The SCB-1935 is a 1U Rack-Mount high-performance networking system. Supporting a single AMD® EPYC™ 7002/7003 (Rome/Milan) Series Processor and GPU/FPGA accelerators. AMD's new "Zen" CPU core delivers breakthrough computing performance. CPU cores up to 64 cores and 128 PCIe lanes.

The SCB-1935 supports eight channels DDR4 RDIMM up to 3200MHz. In addition, it support up to 2x NVIDIA T4 accelerators to enable AI inference workloads, or supporting full height cards with 1x PCIe x16 configuration. The SCB-1935 include two management Ethernet port (one for management, another for option IPMI function), a console port, two USB 3.0 ports, a Graph LCD module with keypad (5 key), LEDs for power/ HDD/ 2 x GPIO. In addition, the SCB-1935 also supports one 3.5" or two 2.5" SATA HDDs/SSDs, onboard one m-SATA and two M.2 2280/22110 slots for basic network storage application.

Specifications

▼ Processor System

CPU	Support single AMD® EPYC™ 7002/7003 (Rome/Milan) Series Processor Socket SP3, LGA4094
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Total 8 DIMMs (Eight channel) ECC & Registered : DDR4 3200 MHz memory, up to 64GB per DIMM
Capacity	Up to 512GB

▼ Expansion

Onboard Expansion Slots	-1x SO-DIMM slot for IPMI card with VGA support -2x PCIe x8 for Network Expansion Module -2x half-height PCIe x8 (for 2x T4) or 1x full-height PCIe x16 -2x M.2 socket by PCIe Gen3 x4
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▼ I/O

USB	2x external USB 3.0 port 1x internal USB 2.0 (5x2 pin header) supports USB DOM
Serial	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2)

▼ Ethernet

GbE Ethernet	2x 1GbE RJ45 ports
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▼ Storage

SATA	Support 1x 3.5" or 2x 2.5" SATA HDD or solid state drives 1x mSATA socket
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▼ Power Supply

Watt	1U Redundant 300W ATX Power Supply
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▼ Mechanical and Environment

Form Factor	1U 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 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	12 kg
Certification	CE/FCC

▼ Packing List

- 1x SCB-1935 unit
- 2x power cord
- 1x CD (Manual, Quick Installation Guide, Utilities & Drivers)

I/O

