SCB-1836

AEWIN Technologies Co., Ltd.

1U Rackmount with Intel Alder Lake CPU with R680E FCH, 4x DDR5 UDIMM, 2x USB2.0, 3x SATA III, 1x mSATA, 1x mPCIe, OT004B pin header, TPM 2.0 (optional), IPMI slot (R492A with dying gasp, optional), 4 x NIC module & BP003A + 300W redundant PSU



Description

The SCB-1836 is a 1 U Rack-Mount high-performance networking system, supporting 12th Gen core processors (Alder Lake-S) with increased CPU cores and threads (up to 16 cores/24 threads) for outstanding performance. Also, it is with increased L2 & L3 cache with up to 30MB Intel Smart cache which is 50% growth compared to Comet Lake one.

SCB-1836 supports total four DDR5 DIMM (two channels and 2 DIMM per channel), up to 4800MHz and 128GB to enable faster computing. As for the expansion slots, it supports the latest PCIe Gen 5 for superior performance. Combining with PCIe Gen 4 slots to have total 4x expansion slots (2x PCIe Gen 5 & 2x PCIe Gen 4 lots), the system can build the exact configurations required per cases effortlessly as it is also compatible with AEWIN various NIC cards for 1/10/25/40/100 Gigabit fiber or copper with optional Bypass function.

In addition to the great capability and function mentioned, SCB-1836 supports DPDK to accelerate packet processing to benefit the system with higher efficiency. Furthermore, it is featured with IPMI for monitoring and better managing the system intelligently. To ensure the networking security, the system is with TPM to protect its start-up process. With all the features mentioned, SCB-1836 is no doubt perfect as a performant network appliance for diverse applications.

Specifications

| Processor System | | ▼ Storage | |
|-------------------------------|---|--|--|
| CPU | Support Intel Alder Lake & Raptor Lake CPU | SATA | Support 2 x 2.5" HDD or SSD |
| Chipset | R680E | mSATA | 1x mSATA |
| BIOS | AMI UEFI BIOS | Power Supply | |
| Memory | | Watt | single 350W or redundant 300W PSU |
| Technology | 4 x UDIMM, DDR5 4800MHz memory | Mechanical and Environment | |
| Capacity | Up to 128GB | Form Factor | 1U Rackmount |
| Ethernet | | LED | 1x Power LED (Green) 1x HDD LED (Red) 2x Status LED |
| GbE Ethernet | 2x RJ45 GbE ports | | (Green/Yellow via programmable GPIO) |
| Expansion | | Dimension (W x D x H) | 440mm(W) x 600 mm(D) x 44mm(H) |
| Onboard Expansion Slots | 2x PCIe Gen5 x8 slots + 2x PCIe Gen4 x8 slots | Operating Temperature | Operating: 0 ~ 40°C (32 ~ 104°F) |
| ▼ 1/0 | | Storage Temperature | -20 ~ 75°C (-4 ~ 167°F) |
| USB | 2 x USB 2.0 connector + 2 x USB 3.0 pin header | Humidity | 10 ~ 85% relative humidity, non-operating, non-condensing |
| Serial | 1x RJ45 Console port (COM1) | Weight | 12 kg |
| | | Certification | CE/FCC |
| | | Packing List 1x SCB-1836 unit | |

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

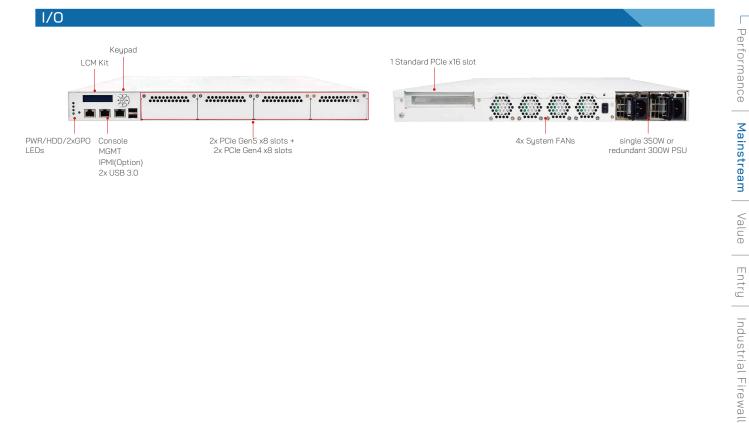
Value

Entry

Industrial Firewall

Ordering Information

SCB-1836A 1U Network System with Intel Alder Lake CPU with R680E FCH, 4 x DDR5 UDIMM, 2 x USB3.0, 3 x SATA III, 1 x mSATA, 1 x mPCle, TPM 2.0 (optional), IPMI slot (R492A with dying gasp, optional), 4 x NIC module & BP003A + 300W redundant PSU



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