SCB-7911 Value Network Appliance

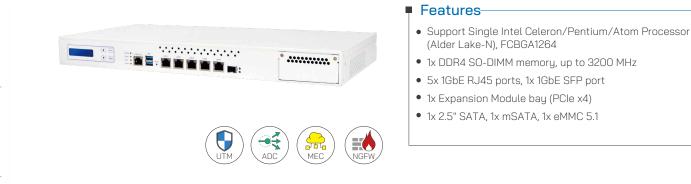## AEWIN Technologies Co., Ltd.

1U Network System with Intel Alder Lake-N i3-N305 processor, 1 x DDR4 SO-DIMM, 5 x Copper GbE (Intel I210-AT), 1 x fiber GbE (Intel I210-IS), 2 x USB 3.0, 1 x SATA, 1 x mSATA, PCIe x 4 connector, eMMC 8G, 1 x Bypass

UTM   ADC   MEC   NGFW

Features

- Support Single Intel Celeron/Pentium/Atom Processor (Alder Lake-N), FCBGA1264
- 1x DDR4 SO-DIMM memory, up to 3200 MHz
- 5x 1GbE RJ45 ports, 1x 1GbE SFP port
- 1x Expansion Module bay (PCIe x4)
- 1x 2.5" SATA, 1x mSATA, 1x eMMC 5.1

Description

SCB-7911, powered by Intel Atom x7000E Processor (Alder Lake N) featuring upgraded computing performance with low power consumption. SCB-7911 supports DDR4 memory with up to 16GB, 3200MHz and is designed with improved energy efficiency for networking solutions.

SCB-7911 has up to 5x 1GbE ports with 1 pair of Gen3 Bypass, 1x SFP, 1x Expansion Module bay (PCIe x4). In addition, SCB-7911 offers 2x USB 3.0, and multiple storage options (1x eMMC, 1x SATA3 2.5" SATA SSD/HDD, and 1x mSATA).

Regarding security support, it has Intel AES-NI for crypto acceleration and TPM for protected data/keys/identity. It is also with many hardware-based secure technologies for system reliability including Intel TEE (Trusted Execution Environment) for sensitive data protection, and Intel OS Guard plus Intel Boot Guard for platform integrity.

Specifications

▼ Processor System

CPU	Intel® Celeron® Pentium® Atom® (Alder Lake-N) SCB-7911A: i3-N305 (SKU4): 8C, 15W
Chipset	SOC Integrated
BIOS	AMI UEFI BIOS

▼ Memory

Technology	DDR4 up to 3200MHz
Capacity	Max Up to 16GB

▼ Expansion

Onboard Expansion Slots	1x Expansion Module bay (PCIe x4)

▼ I/O

USB	2x USB 3.0
Serial	1x RJ45 console

▼ Ethernet

GbE Ethernet	Controller: Up to 5x Intel I210-AT, and 1x I210-IS Ethernet Port: Up to 5x RJ45, and 1x SFP
LAN Bypass	3 Pairs Gen3

▼ Storage

SATA	1x 2.5"
mSATA	1x mSATA
M.2	up to 128GB eMMC 5.1

▼ Power Supply

Watt	65W build-in power supply

▼ 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 269 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	4.5 kg
Certification	CE/FCC

▼ Packing List

- 1x SCB-7911 unit
- 1x power cord

Ordering Information

| SCB-7911A | 1U Network System with Intel Alder Lake-N i3-N305 processor, 1 x DDR4 SO-DIMM, 5 x Copper GbE (Intel I210-AT), 1 x fiber GbE (Intel I210-IS), 2 x USB 3.0, 1 x SATA, 1 x mSATA, PCIe x 4 connector, eMMC 8G, 1 x Bypass |

I/O

LCM

Expansion Modules

1x RJ45 console port
2x USB 3.0

5x RJ45, 1x SFP

2x system fan

Power Supply

SCB-7911

Performance | Mainstream | **Value** | Entry | Industrial Firewall

Networking Mastery