SCB-6915
Entry Network Appliance

AEWIN Technologies Co., Ltd.

Desktop Network System with Intel Alder Lake-N or Amston Lake-C processor, 1 x DDR4 SO-DIMM, 6x 1G RJ45 ports (optional 1x 2.5GbE port or 1x 1GbE SFP port), 1 x DDR4 SO-DIMM, 1x 2.5", 1 x mSATA, 1x eMMC, 2 x USB 3.0, 1x M.2

UTM   ADC   MEC   NGFW

Features

- Support Single Intel Celeron/Pentium/Atom Processor (Alder Lake-N, Amston Lake-C), BGA1264
- 1x DDR4 SO-DIMM memory, up to 3200 MHz
- 6x 1GbE RJ45 ports
  (1x optional 2.5GbE port and 1x 1GbE SFP port)
- 1x M.2 B-Key or M-Key or E-Key
- 1x 2.5" SATA, 1x mSATA, 1x eMMC 5.1

Description

SCB-6915, powered by Intel Alder Lake-N or Amston Lake-C processor featuring upgraded computing performance with low power consumption. SCB-6915 supports DDR4 memory with up to 16GB, 3200MHz and is designed with ultra-compact size & improved energy efficiency for entry-level networking solutions.

SCB-6915 features 6x 1GbE ports with 1 pair of Gen3 Bypass (1x optional 2.5GbE port and 1x 1GbE SFP port), 1x M.2 slot for multiple options including 4G/5G module, Wi-Fi module, or NVMe storage device. It is flexible for various kinds of connectivity or functions per customer request. In addition, SCB-6915 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.

SCB-6915 is not only suitable for edge deployment, but also ideal for silence environments uses with its optional fanless design. Featuring rich I/O and reliable hardware security in a small box. SCB-6915 is perfect for diverse applications such as uCPE, firewall, cybersecurity, and more.

Specifications

▼ Processor System

CPU	Intel® Celeron® Pentium® Atom® (Alder Lake-N or Amston Lake-C)
Chipset	SOC Integrated
BIOS	AMI UEFI BIOS

▼ Memory

Technology	DDR4 up to 3200MHz
Capacity	Max. 16 GB

▼ Expansion

M.2	1x M.2 (B-Key or M-Key or E-Key)

▼ I/O

USB	2x USB 3.0
Console	1x RJ45 console port
SIM	2 (SCB-6915A only)

▼ Ethernet

Controller	Up to 6x Intel I210-AT Optional 1x I226-LM Optional 1x I210-IS
GbE Ethernet	6x RJ45 w/ one pair of Bypass (1x optional 2.5GbE port and 1x 1GbE SFP port)

▼ Storage

SATA	1x 2.5"
mSATA	1x mSATA
Compact Flash Socket	eMMC 5.1, up to 128GB

▼ Power Supply

Watt	60W power adapter

▼ Mechanical and Environment

Form Factor	Desktop, Fanless
LED	Power/HDD/Status/Bypass
Dimension (W x D x H)	232mm(W) x 152mm(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	2 kg
Certification	CE/FCC

▼ Packing List

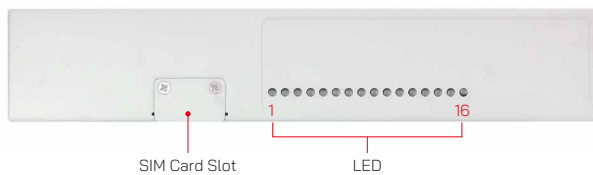- 1x SCB-6915 unit
- 1x power cord

Ordering Information

SCB-6915A   Desktop Network System with Intel Alder Lake-N N97 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, 1 x M.2 B-key connector, eMMC 8G, 1 x Bypass

SCB-6915C   Desktop Network System with Intel Alder Lake-N x7211E Processor, 1 x DDR4 SO-DIMM, 4 x Copper GbE (Intel 3x I210-AT + 1x I226-LM), 2 x USB 3.0, 1 x SATA, 1 x mSATA, 1 x M.2 E-key connector, eMMC 8G, w/o Bypass, Fanless

SCB-6915B   Desktop Network System with Intel Alder Lake-N N97 Processor, 1 x DDR4 SO-DIMM, 4 x Copper GbE (Intel I210-AT), 2 x USB 3.0, 1 x M.2 M-key connector, eMMC 8G, w/o Bypass, Fanless

I/O

1x console

SIM Card Slot   LED

2x USB3.0   1x SFP   5x 1GbE RJ45

LED definition:	
1~12 CB-6915A	6 pairs LEDs for 6 Ethernet ports Active/Link status (Green)
5~12 CB-6915B, C	4 pairs LEDs for 4 Ethernet ports Active/Link status (Green)
13 Status	Yellow/Green (depends on sample code)
14 HDD	Yellow
15 Power	Green
16 Bypass	Yellow