

# SCB-6903

Desktop Network System

## AEWIN Technologies Co., Ltd.

Desktop Fanless Network Computing System with Intel® Atom® (code name Apollo Lake-I) X5 E3930, 3 x copper GbE ports, mSATA, mini-PCIe



### Features

- Slim Fanless Network System
- Ideal noiseless system for silence environments use
- Intel® Atom® (code name Apollo Lake-I) SOC
- 3 GbE ports via PCI-e x1 (Max. 4 GbE ports build option)
- Expansive I/O with two USB 3.0, one mSATA socket and one console port
- Built with Intel Embedded IA components with warranty of longevity
- RoHS /CE/FCC compliant

### Introduction

The SCB-6903 is a desktop fanless hardware platform designed for network service applications which is a noiseless system ideal for silence environments use. Built with Intel® Embedded IA components with warranty of longevity, supports Intel® Atom™ Apollo Lake-I low power processor. The platform supports up to 8GB with single channel high bandwidth DDR3L ECC SO-DIMM slot. The SCB-6903 affords three GbE copper (build option for maxi. four GbE) and two external USB 3.0 ports, one RJ-45 console port. In addition, the SCB-6903 fanless and noiseless networking system is RoHS, CE and FCC compliant.

### Specifications

#### ▼ Processor System

|             |   |
|-------------|---|
| Form Factor | Desktop   |
| CPU         | Intel® Atom® X5 E3930(Apollo Lake-I)<br>dual core processor |
| BIOS        | AMI® UEFI BIOS  |

#### ▼ Memory

|            |                               |
|------------|-------------------------------|
| Technology | ECC DDR3L 1600MHz memory      |
| Capacity   | Max. 8GB with one ECC SO-DIMM |

#### ▼ Expansion

|                |   |
|----------------|---|
| Mini-card slot | 1 x mini-PCIe socket (full-size) via PCI-E x1 |
|----------------|---|

#### ▼ Ethernet

|              |  |
|--------------|--|
| GbE Ethernet | 3 x Copper GbE ports, Intel I211<br>(Build option for four Copper GbE ports) |
| LAN Bypass   | N/A  |

#### ▼ Storage

|      |                             |
|------|-----------------------------|
| eMMC | 8GB eMMC 5.1 (build option) |
| SSD  | 1 x half-size mSATA socket  |

#### ▼ I/O

|        |                            |
|--------|----------------------------|
| USB    | 2 x external USB 3.0 ports |
| Serial | 1 x RJ45 Console port      |
| HDMI   | 1 x HDMI(Build option)     |

#### ▼ Power Supply

|      |   |
|------|---|
| Watt | DC 12V, 3.3A 40W power adaptor (Level VI) |
|------|---|

#### ▼ Mechanical and Environmental

|                            |  |
|----------------------------|--|
| LED                        | N/A  |
| Dimension<br>( W x D x H ) | 124.26mm (W) x 119.64mm (D) x 19.4mm (H)                     |
| Operating Temperature      | Operating: 0 ~ 40°C ( 32 ~ 104°F )                           |
| Storage Temperature        | -20 ~ 75°C (-4 ~ 167°F)                                      |
| Humidity                   | 10 ~ 85% relative humidity,<br>non-operating, non-condensing |
| Certification              | CE/FCC   |

#### ▼ Packing List

- 1 x SCB-6903 unit
- 1 x power cord
- 1 x CD ( Manual, Quick Installation Guide, Utility Driver )

#### ■ Ordering Information

| Standard  |  |
|-----------|--|
| SCB-6903A | Desktop Fanless Network Computing System with Intel® Atom® X5 E3930, 3 x Copper GbE ports, mSATA, mini-PCIe, DDR3L                                     |
| SCB-6903B | Desktop Fanless Network Computing System with Intel® Atom® X5 E3930, 4 x Copper GbE ports, HDMI, mSATA, mini-PCIe, DDR3L                               |
| DK001     | Cable development kit<br>46L-CO5204-00 Cross over cable<br>46L-EC5200-00 Ethernet cable<br>46L-RJDB91-00 RJ45 Console cable<br>46L-IUSB01-00 USB cable |

\* Note : All specifications are subject to change without prior notice