

SCB-7912

Value Network Appliance

AWIN Technologies Co., Ltd.

Desktop, Intel Atom X7000C CPU, 1x DDR5, 1x RJ45 Console, 2x USB, 2x 10GbE SFP+, 4x 1GbE SFP, 4x 2.5GbE, 4x 1GbE, 1x 2.5" SATA, 3x M.2, dual DC in



Features

- Supporting Single Intel Atom X7405C/X7809C processor (codenamed Amston Lake-C)
- 1x DDR5 SODIMM memory up to 4800MHz
- 2x 10GbE SFP+, 4x 1GbE SFP, 4x 2.5 GbE RJ45, 4x 1GbE RJ45 ports
- 3x M.2 (1x E key, 1x B key, 1x M key), 1x 2.5" SATA
- Dual DC power input
- Optional TPM2.0

Description

The SCB-7912 is a Desktop Network Appliance supporting Single Intel Atom X7405C/X7809C processor (codenamed Amston Lake-C). It features one DDR5 SODIMM slot, up to 4800 MHz with maximum memory capacity 16GB to deliver higher memory bandwidth and increased power efficiency compared to previous DDR generations.

The SCB-7912 supports multiple flexible internet connection configuration including 2x 10GbE SFP+, 4x 1GbE SFP, 4x 2.5GbE RJ45, and 4x 1GbE RJ45 ports. This flexible Ethernet configuration allows the system to adapt to various edge security and branch deployment scenarios.

Beyond its 14x Ethernet ports, the system integrates strong I/O, including a console port, two USB ports, and three M.2 slots supporting storage expansion and 5G/Wi-Fi modules with six antenna holes for wireless connectivity. To further enhance system availability, the SCB-7912 supports dual DC power input for power redundancy and improved operational resilience.

Specifications

Processor System

CPU	Intel Atom X7405C or X7809C
Chipset	SOC Integrated
BIOS	AMI@ UEFI BIOS

Memory

Technology	1x DDR5 4800 SODIMM
Capacity	Max up to 16GB

I/O

USB	1x USB2.0 + 1x USB3.0 type A connector 2x USB2.0 pin header
Serial	1x RJ45 type connector 1x COM pin header
SIM Slot	1x SIM slot, 1x eSIM chip on board

Ethernet

GbE Ethernet	2x 10GbE SFP+, 4x 1GbE SFP 4x 2.5GbE RJ45, 4x 1GbE RJ45
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Expansion Slots

M.2 Slot	2x M.2 (1x B-Key, 1x E-Key)
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Storage

SATA	1x internal 2.5" SATA
M.2 Slot	1x M.2 2280 socket (M-Key)

Power Supply

Watt	2x Redundant 90W Power Adapter
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Mechanical and Environment

Form Factor	Desktop
LED	1x Power LED (Green) 1x HDD LED (Yellow) 2x GPIO LED (Yellow/Green) 14x LAN LED (Green)
Dimension (W x D x H)	300mm (W) x 218mm (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	2.8 kg
Certification	CE/FCC

Packing List

- 1x SCB-7912 unit
 - 1x 90W adapter*
 - 1x power cord*
- * Need to purchase additional power set for power redundancy

Ordering Information

SCB-7912A Intel Atom x7405C, 1x DDR5 4800GHz SODIMM, 1x 2.5" SATA SSD, 1x PCIe M.2 2280 M-key, 2x 10G SFP+, 4x 1G SFP, 4x 2.5G RJ45, 4x 1G RJ45, 1x M.2 2230 E-key for wifi, 1x M.2 3052 B-key for 5G, 1x sim slot, 1x eSIM on board, 1x console RJ45, 2x USB, 1x buzzer, 1x soft reset button, 2x Fan, dual DC in, 90W adapter

SCB-7912B Intel Atom x7809C, 1x DDR5 4800GHz SODIMM, 1x 2.5" SATA SSD, 1x PCIe M.2 2280 M-key, 2x 10G SFP+, 4x 1G SFP, 4x 2.5G RJ45, 4x 1G RJ45, 1x M.2 2230 E-key for wifi, 1x M.2 3052 B-key for 5G, 1x sim slot, 1x eSIM on board, 6x antenna (2 for wifi, 4 for 5G), 1x console RJ45, 2x USB, 1x buzzer, 1x soft reset button, 2x Fan, dual DC in, 90W adapter

I/O

