

SCB-6988

Desktop Network System

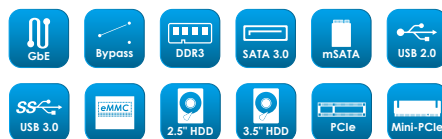
AEWIN Technologies Co., Ltd.

Desktop Intel® Celeron®/pentium®/Atom® (codename Apollo Lake) Network System, Six Copper GbE, eMMC, mSATA, SATA, mini-PCIe, Gen3 Bypass



Features

- Intel® Celeron® Pentium® Atom® (Apollo Lake)
- Max 5 GbE ports via PCI-e x1
- Expansive I/O with USB 3.0; 2.5"/3.5" SATA HDD bay, mSATA socket, mini-card slot and Console port
- Built with Intel Embedded IA components with warranty of longevity
- RoHS/CE/FCC compliant



Introduction

The SCB-6988 is a Desktop hardware platform designed for network service applications. Built with Intel® Embedded IA components with warranty of longevity, supports Intel® Celeron®/Pentium® Apollo Lake and Atom™ Apollo Lake-I low voltage processors.

The platform supports up to 8GB with dual channel high bandwidth DDR3L SO-DIMM slot and on-board DDR3L memory. In order to provide the best network performance and best utilization, the powerful storage interfaces include one 2.5"/3.5" SATA HDD and eMMC. SCB-6988 affords five GbE Copper with two pairs of Gen3 bypass function on rear-panel. The rear panel also has two USB 3.0 ports, one RJ-45 console port. The front panel has LED indicators that monitor power and storage device activities for local system management, maintenance and diagnostics. In addition, the SCB-6988 supports one mini-card socket for expansion purpose. The networking system is RoHS, FCC and CE compliant.

Specifications

▼ Processor System

Form Factor	Desktop
CPU	Intel® Celeron® N3350/ Pentium N4200 (Apollo Lake)/ Atom® E39xx(Apollo Lake-I) processors
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	Un-buffered and Non-ECC DDR3L 1600/1866MHz memory
Capacity	Max. 8GB with one SO-DIMM socket and Mem-Down (build option)

▼ Expansion

Mini-card slot	One mini-PCIe socket via PCI-E x1. (build Option) One PCIe x4 connector via 2 xPCIe x1. (build Option)
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▼ Ethernet

GbE Ethernet	5x Copper GbE ports, Intel® I211, PCI-E x1 (Two pairs of Gen3 bypass between LAN3, LAN4 and LAN5, LAN6)
LAN Bypass	Two pairs of Gen3 LAN Bypass

▼ Storage

SATA	One internal 2.5"/3.5" SATA HDD bay(option)
eMMC	eMMC 5.0 (build option)

▼ I/O

USB	2x external USB3.0 2x internal USB 2.0 with pin header
Serial	1x RJ45 Console port (COM1) 1x internal 5x2 pin header (COM2)

▼ Power Supply

Watt	60W power adaptor (Level 6)
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▼ Mechanical and Environmental

LED	1 x Power LED (Green) 1 x HDD LED (Yellow) 1 x Bypass LED (Green) 5 pairs LEDs for 5 Ethernet ports Active/Link status (Green)
Dimension (W x D x H)	232mm (W) x 153mm (D) x 44mm (H) (9.1"W x 6" D x 1.7" 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	1pc/Box, 4kgs, 14cm(W) x 38cm(D) x 23.2cm(H) 5Boxes/CTN, 20kgs, 40cm(W) x 72.4cm(D) x 26.4cm(H)
Certification	CE/FCC

▼ Packing List

- 1 x SCB-6988 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

Ordering Information

Standard	
SCB-6988A	Desktop Intel® Celeron N3350 DC 1.1GHz , 5 x GbE, mSATA, SATA, Mini-PCIe, DDR3L 2G, eMMC 8G
SCB-6988B	Desktop Intel® Celeron N3350 DC 1.1GHz , 6 x GbE, mSATA, SATA, DDR3L 4G, eMMC 8G

Optional	
DK001	Cable development kit 46L-CO5204-00 Cross over cable 46L-EC5200-00 Ethernet cable 46L-RJDB91-00 RJ45 Console cable 46L-DB9200-01 Null modem cable 46L-IVGA01-00 VGA cable 46L-IPS200-00 KB/MS cable 46L-IUSB01-00 USB cable

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



Dimensions

