

SCB-6989

Desktop Network System

AEWIN Technologies Co., Ltd.

Desktop Intel® Atom C3000 (Denverton-NS) Processor Network System, 8x Copper GbE, DDR4, mSATA, eMMC, mini-PCIe, PCIe, Bypass



Features

- Intel® Atom C3000 (Denverton-NS) Processor
- DDR4 ECC 1866/2133 MHz memory, max support 32GB
- Max 8 GbE ports support.
- Expansive I/O with USB 3.0, 2.5" SATA HDD, mSATA socket and Console port
- 2 pairs Bypass
- miniPCIe x3 (for VGA, for Wifi, for mSATA)
- Intel® Quick Assist for Cryptographic Hardware Acceleration



Introduction

The SCB-6989 is Desktop high-performance networking system which is based on Intel® Denverton-NS™ Processor. This new generation platform provides highly CPU computing power that CPU cores up to 16 cores, supporting total with 20 PCIe lanes for flexible both network interface modules expansion .

The SCB-6989 is enhancement in computing performance, system responsiveness with Intel® Denverton-NS™ Processor, supporting four DDR4 ECC SODIMM (up to 2133 MHz) and maximum memory capacity is up to 32GB. SCB-6989 is able to support miniPCIe x3, (mini-PCIe to VGA / miniPCIe for Wifi / miniPCIe for mSATA) , 1 x RJ45 Console port. 2x USB 3.0, and LEDs for Power/HDD/Bypass LEDs / LAN active & Link status, and 2 pairs Bypass LAN port function.

SCB-6989 supports 1 x mSATA Slot ; 1 x 2.5" SATA HDD for basic network storage application.

Specifications

▼ Processor System

Form Factor	Desktop
CPU	Intel® Denverton-NS™ Processor
BIOS	AMI® UEFI BIOS

▼ Memory

Technology	ECC DDR4 1866 / 2133 MHz SODIMM memory
Capacity	Up to 32GB

▼ Expansion

PCI-E slot	1x mini-PCIe socket (half-size) for WIFI 1x mini-PCIe socket (half-size) for VGA module
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▼ Ethernet

GbE Ethernet	LAN1~4: Intel I210-AT via PCIe x1 LAN5~8: Marvell 88E1543 via SGMII
LAN Bypass	2 pairs of Gen3 Bypass in LAN5~8 (latch Relay)

▼ Storage

SATA	One internal 2.5" SATA HDD (Optional)
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 pin header (COM2)

▼ Power Supply

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

LED	1x Power LED (Green) 1x HDD LED (Red) 1x Bypass LED (Yellow) 8 pairs LEDs for 8 Ethernet ports Active/Link status (Green)
Dimension (W x D x H)	270mm (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	1pc/Box, 4kgs,
Certification	CE/FCC

▼ Packing List

- 1 x SCB-6989 unit
- 1 x power cord
- 1 x CD (Manual, Quick Installation Guide, Utility Driver)

Ordering Information

Standard	
SCB-6989A	Desktop Intel Denverton-NS 4C,C3558 (16W) 2.2GHz processor, DDR4, 8 Copper GbE, mSATA,eMMC, miniPCle, USB3.0, Bypass,
SCB-6989B	Desktop intel Denverton-NS 2C,C3338 (8.65W) 1.5GHz processor, DDR4, 8 Copper GbE, mSATA, eMMC, miniPCle, USB3.0, Bypass

Optional	
R478A	Mini-PCle to VGA module.
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

