

SCB-8950 NEW

1U Rack-Mount Intel® Core™2 Quad Network System, 15 x GbE, SATA, CF, LCM, PCI, Redundant PS



Features

- Support Intel® Core™ 2 Quad processor
- Support 1333MHz FSB and max 4GB Dual-Channel DDRII 800MHz system memory
- Max 15 GbE Copper ports via PCI-E x4/x1
- Cryptographic hardware acceleration for option
- Support redundant power supply in 1U form factor
- Support two 3.5" SATA HDD

Introduction

The SCB-8950 is a 1U rack-mounted hardware platform designed with a redundant power supply for network service applications. Built with Intel® Embedded IA components with warranty of longevity, the SCB-8950 supports Intel® quad-core processors with 1333 MHz Front Side Bus and Intel® Virtualization technology.

The platform supports two unbuffered ECC or non-ECC DDRII 800 DIMM slots with memory up to 4GB. In order to provide the best network performance and best utilization, the powerful storage interfaces include two 3.5" SATA HDD and CompactFlash™. The optional onboard Cavium Nitrox PX cn16xx security co-processor supports multi-security protocol commands which can offload the CPU thus increasing overall system throughput performance.

This platform affords six GbE Copper and max to 12 GbE Ethernet ports via PCI-E by4 on the front-panel. To prevent network problems when the platform shuts down, SCB-8950 supports two segments of LAN bypass function through WDT and GPIO pin definitions. The front panel also has one GbE LAN management port, one USB 2.0 port, one RJ-45 console port and LED indicators that monitor power and storage device activities for local system management, maintenance and diagnostics. In addition, the SCB-8950 supports one PCI-E by8 slot, one PCI-E by4 slot, and is RoHS, FCC and CE compliant.



Processor System

CPU	Intel® Core™2 Quad* , Core™2 Duo, Pentium® dual-core LGA775 processors
Chipset	Intel® 3210 + ICH9R
Front Side Bus	1333/1066/800 MHz
BIOS	AMI® 2MB SPI BIOS

Memory

Technology	Dual-Channel DDRII 800/667 MHz memory
Capacity	Up to 4GB with 2 DIMM sockets

Expansion

Onboard Expansion Slots	one PCI-E x8 slot for expansion module one PCI-E x8 golden finger for expansion module one PCI slot
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Ethernet

GbE Ethernet	Support up to 15 GbE ports Both copper and fiber connector for option
LAN Bypass	two segments bypass

Storage

SATA	two internal 3.5" SATA HDD bay
CompactFlash Socket	one CompactFlash™ type II

I/O

USB	one external USB 2.0 one internal USB 2.0 (5x1 pin wafer)
Serial	one RJ45 Console port (COM1) one internal 5x2 pin header (COM2)

Power Supply

Watt	1U ATX redundant power supply
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Mechanical and Environment

Form Factor	1U rack-mount
LCD Module	one 16x2 LCM
Keypad	Four buttons keypad
LED	one Power LED (Green) one HDD LED (Yellow) one Status LED (Green/Yellow via programmable GPIO)
Dimension (W x D x H)	440mm (W) x 505mm (D) x 44mm (H) (17.3"W x 19.8"D x 1.7"H)
Operating Temperature	0 ~ 40°C (32 ~ 104°F)
Storage Temperature	-20 ~ 75°C (-4 ~ 167°F)
Humidity	5 ~ 95% relative humidity, non-operating, non-condensing
Weight	1pc/CTN, 13.5kgs, 58cm(W) x 68cm(D) x 22cm(H)
Certification	CE/FCC

Packing List

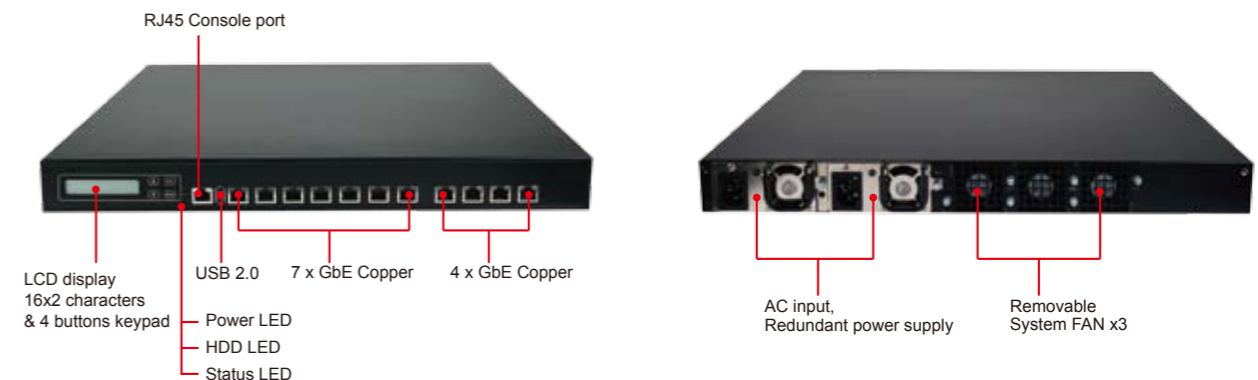
- 1 x SCB-8950 unit
- 2 x power cord
- 1 x CD (Manual, Quick installation guide, Utility driver)

Ordering Information

Standard	
SCB-8950A-A	1U rack-mount, support LGA775 Intel® Core™2 Quad, 7 RJ45 GbE, SATA, CF, LCM, PCI, Redundant PS, Support bypass
SCB-8950A-B	1U rack-mount, support LGA775 Intel® Core™2 Quad, 11 RJ45 GbE, SATA, CF, LCM, PCI, Redundant PS, Support bypass (CB-8950A + R122A)
SCB-8950A-C	1U rack-mount, support LGA775 Intel® Core™2 Quad, 7 RJ45 GbE, 4 SFP, SATA, CF, LCM, PCI, Redundant PS, Support bypass (CB-8950A + R120A)
Optional	
R119A	Expansion module with 2 RJ45 GbE ports and 2 SFP ports, Intel® 82571EB
R120A	Expansion module with 4 SFP GbE ports, Intel® 82571EB
R121A	Expansion module with 2 SFP ports, Intel® 82571EB

R121B	Expansion module with 2 RJ45 GbE ports, Intel® 82571EB
R122A	Expansion module with 4 RJ45 ports, Intel® 82571EB
R127A	Expansion module with 8 RJ45 GbE ports, Intel® 82571EB
R130A	Expansion module with 8 SFP ports, Intel® 82571EB
DK002	Cable development kit: 46L-CO5204-00 Cross over cable, 2M 46L-DB9200-01 Null modem cable, 2M 46L-EC5200-00 Ethernet Cat.5 cable, 2M 46L-IPS200-00 KB/MS cable, 15CM 46L-IUSB2B-00 USB cable, 25CM 46L-IVGA01-00 VGA cable, 20CM 46L-RJDB91-00 RJ45 to DB9 cable, 2M 46L-IUSB2B-00 USB cable, 25cm 46L-RJDB91-00 RJ-45 to DB-9 cable 2M

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



Dimensions

