NA-510

1U Rackmount Network Appliance Platform with LGA1156 Socket Processor and 8 LANs

▲ Front view

▲ Rear view

AMT

Introduction

The NA-510 is a 1U rackmountable network hardware platform with featuring high performance and high density for VPN, firewall and other network security applications. It supports LGA1156 socket for Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750 up to 8GB un-buffer non-ECC DDR3 DIMM memory. For storing event log data, the NA-510 utilizes two 2.5" SATA HDD or one 3.5" SATA HDD; limited support of SATA DOM as an option. It also supports two groups of LAN bypass through WDT and GPIO pin definition without any downtime.

Specifications

System

CPU	LGA1156 socket for Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750 processor
Chipset	Intel® Q57
Memory	2 x DDR3 800/1066/1333 DIMM max. up to 8 GB (unbuffered non-ECC)
BIOS	Award 64 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	8 x 10/100/1000Mbps Ethernet (Intel® 82574L, Intel® 82578DM)
SSD	1 x CompactFlash™/DOM SATA2 type (optional)
I/O Interface	1 x console (RJ type), 2 x USB connector, 8 x RJ-45 connector for LAN
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI/1 x PCIe x8 slot
Other Features	LAN bypass function through WDT and GPIO pin Control (2 groups)
Power Supply	270W ATX power
Management Capability	Intel® AMT (Active Management Technology) 6.0 for remote control and diagnosis
OS Compatibility	Linux Red Hat 2.4 and 2.6, FreeBSD

Mechanical/ Environmental

Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 394.4 mm (15.52") (D)
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Features

- LGA1156 socket type of processor as Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750
- Supports eight 10/100/1000Mbps Ethernet ports (Intel® 82574L/82578DM)
- Supports unbuffer and non-ECC DDR3 memory up to 8GB
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports BIOS redirected to COM port
- Suitable for VPN, firewall and other network security applications
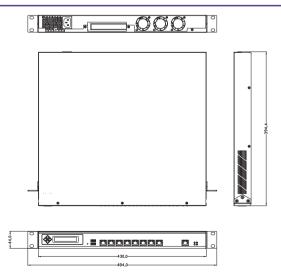
Ordering Information

Standard

NA-510-R8GI	1U high performance network appliance with LGA1156 socket for Intel® Clarkdale i5-660/i3-540/ G6960, Lynnfield i7-860/ i5-750 and 8 10/100/1000Mbps

Optional

CK9A104	Cable kit (P/N: 8816E320010E)
AX92101	VGA MiniPCI module
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x SATA cable
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions