# NA-510

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



▲ Front view



▲ Rear view



#### 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

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## **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

Overview

SOHO Series

SMB Series

Accessories

23

### **Ordering Information**

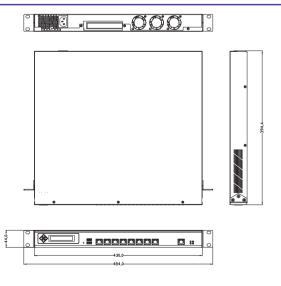
Standard	
NA-510-R8GI	1U high performance network appliance with LGA1156 socket for Intel® Clarkdale i5-660/i3-540/ G6960, Lynnfield i7-860/ i5-750 and 8 10/100/1000Mbps
Optional	
<b>Optional</b> CK9A104	Cable kit (P/N: 8816E320010E)
•	Cable kit (P/N: 8816E320010E) VGA MiniPCI module
CK9A104	The state of the s

<sup>\*\*</sup> 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**



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