

# NA-320R

1U Rackmount Network Appliance Platform  
with Intel® Atom™ Processor D510 and  
6 LANs



▲ Front view



▲ Rear view



## Introduction

The NA-320R is a 1U rackmountable network security hardware platform for VPN, firewall, UTM and other network security applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH chipset and a DDR2 667 memory up to 2 GB. For storing event log data, the NA-320R utilizes two 2.5" SATA2 HDD or one 3.5" SATA2 HDD (optional). To prevent problems from sudden shutdown, the platform supports one group of LAN bypass function through WDT and GPIO pin definitions. Meantime, the Mini card is for WiFi wireless card installation.

## Specifications

| System            |                                                                                 |
|-------------------|---------------------------------------------------------------------------------|
| CPU               | Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache                           |
| Chipset           | Intel® ICH8M PCH chipset                                                        |
| Memory            | 1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)      |
| BIOS              | AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port          |
| HDD Interface     | 2 x 2.5" SATA2 HDD or 1 x 3.5" SATA2 HDD (optional)                             |
| Network Interface | 6 x 10/100/1000Mbps Ethernet (Intel 82583V (default), Intel® 82574L (optional)) |
| SSD               | 1x CompactFlash™ type II                                                        |
| I/O Interface     | 1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector          |
| Watchdog Timer    | 255 stepping for porting                                                        |
| USB               | 2 x USB 2.0 port on front side, rest are internal pin headers                   |
| Expansion Slot    | PCIe Mini Card (USB transaction bus)                                            |
| Other Features    | LAN bypass function through WDT and GPIO pin control                            |
| Power Supply      | 84W switching power supply (open frame)                                         |
| OS Compatibility  | Linux Redhat Kernel 2.6                                                         |

## Mechanical/ Environmental

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Form Factor        | 1U rackmount                                                 |
| LED                | Power, HDD, LAN bypass, Link/Act with transfer rate          |
| 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 248 mm (9.76") (D) |
| Weight (net/gross) | 7 kg (15.43 lb)/8 kg (17.64 lb)                              |
| Certification      | CE class A                                                   |

## Features

- Low power and high performance Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology

## Ordering Information

### Standard

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| NA-320R-R6GI-1.6G | 1U rackmount network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 10/100/1000Mbps |
|-------------------|------------------------------------------------------------------------------------------------|

### Optional

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

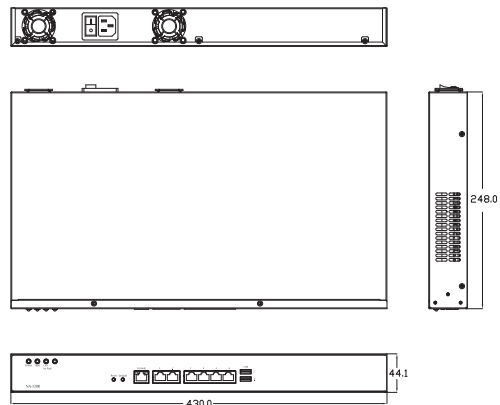
\* Specifications and certifications are based on options and may vary.

\*\* Recommend ordering optional cable kit with first order.

## Packing List

|                                                          |
|----------------------------------------------------------|
| 2 x SATA cable                                           |
| 1 x power cord                                           |
| 1 x utility CD (user's manual and driver)                |
| 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable |

## Dimensions



\* All specifications and photos are subject to change without notice.