

NA-320R

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



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
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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

