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 on 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 redirec 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- connector	
Watchdog Timer	255 stepping for porting	
USB	2 x USB 2.0 port on front side, rest are internal pin heade	
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")	
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 c	ertifications are based on options and may vary.

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

