

NA-820

Performance Network Appliance Platform with Intel® Core™2 Duo Processor and 7 LANs



Introduction

The NA-820 is a 1U rackmount network security hardware platform for VPN, firewall and other network security applications. It supports LGA775 socket for Intel® Pentium® 4/Pentium® D processors and Core™2 Duo processor, and up to 2GB of two DDR II DIMM memory. For storing event log data, the NA-820 utilizes one internal 2.5" HDD's. It also supports LAN bypass function for two LAN groups through WDT and GPIO pin definition without downtime. The NA-820 is a dual core and high performance solution for small to medium sized businesses.

Specifications

System	
CPU	LGA775 socket for Intel® Pentium® 4 (Prescott)/ Pentium® D/Core™2 Duo processor
Chipset	Intel® 945G+ICH7R
Memory	2 x DDR2 533/667 DIMM up to 4GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" IDE HDD or SATA HDD
Network Interface	7 x 10/100/1000Mbps Ethernet (Intel® 82573)
SSD	1 x CompactFlash™
I/O Interface	1 x RS-232 DB9 connector, 2 x USB connector, 7 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port in the front, others are pin header internally
Expansion Slot	1 x 32-bit/33MHz PCI slot 1 x 32-bit/33MHz MiniPCI slot
Other Features	LAN bypass function through WDT and GPIO pin control (LAN2 & LAN3, LAN4 & LAN5)
Power	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD
Mechanical/ Environmental	
Form Factor	1U Rack mount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° C - +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	44mm (1.73") (H) x 429.8mm (16.92") (W) x 301mm (118.5") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Features

- LGA775 socket Intel® Pentium® 4/Pentium® D/Core™2 Duo processor
- Supports seven 10/100/1000Mbps Ethernet ports (Intel® 82573)
- Supports BIOS redirected to COM port
- Support one 2.5" IDE or SATA HDD
- Suitable for VPN, network bandwidth controller, firewall and UTM applications

Ordering Information

Standard	
NA-820 -R7GI	1U high performance network appliance with LGA775 socket for Intel® Pentium® 4/Core™2 Duo CPU, 7 10/100/1000Mbps
Optional	
CK9A102	Cable kit (P/N: 88080006A0E)

* Specifications and certifications are limited to optional.
** First order is suggested to include optional cable kit.

Packing List

- 1 x power cord
- 1 x SATA cable
- 1 x utility CD (user's manual and driver)

Dimensions

