

NA-820

Performance Network Appliance Platform with LGA775 Intel® Core™2 Duo Processor and 7 LANs



Front view



Rear view

Introduction

The NA-820 1U rackmount network appliance with 7 front LAN ports supports an Intel® Core™2 Duo processor with a 800MHz frontside bus, featuring an Intel® 945G chipset integrated VGA function and built-in PCIe Gigabit Ethernet interface. To prevent network problems when the platform shuts down, the NA-820 supports two groups of LAN by-pass function through WDT and GPIO pin definitions. In addition, the platform supports two high bandwidth DDR2 533/667 DIMM sockets up to 4GB memory. In order to provide the best network performance and utilization, this network security platform has storage interfaces including one 2.5" IDE or SATA HDD and CompactFlash™, and one MiniPCI slot with 32-bit/33MHz is available for expansion.

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 max. up to 4 GB (memory usage is dependent upon chipset)
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	7 x 10/100/1000Mbps Ethernet (Intel® 82573L)
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 on front side, rest are internal pin headers
Expansion Slot	1 x 32-bit/33MHz PCI slot 1 x 32-bit/33MHz MiniPCI slot
Other Feature	LAN bypass function through WDT and GPIO pin control (LAN2 & LAN3, LAN4 & LAN5)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 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° 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	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 301 mm (11.85") (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® 82573L)
- 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: 880800006A0E)

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

** 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)

Dimensions

