

# NA-820L

1U Rackmount Network Appliance Platform  
with LGA775 Intel® Core™2 Duo Processor  
and 4 LANs



▲ Front view



▲ Rear view

## Introduction

The NA-820L is a cost-effective network appliance platform with 4 front Gigabit LAN ports. Built with Intel® 945GC+ICH7R chipset, this extremely low cost network appliance supports an Intel® Core™2 Duo processor up to 1.8GHz with a 800MHz frontside bus. Through an Intel® 82573L Ethernet controller, the network appliance platform supports four gigabit Ethernet and meets IEEE 802.3u standard for critical network environments. Dual DIMM sockets support up to 4GB of DDR2 system memory, and additional network application support is made possible by PCI slot, MiniPCI slot, and CompactFlash socket. To prevent network problems when the platform shuts down, the NA-820L supports LAN bypass function through WDT and GPIO pin definitions.

## Specifications

System	
CPU	LGA775 socket for Intel® Pentium® 4 (Prescott)/ Pentium® D/ Core™2 Duo processor
Chipset	Intel® 945GC + 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	4 x 10/100/1000Mbps Ethernet (Intel® 82573L)
SSD	1 x CompactFlash™
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 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 Features	LAN bypass function through WDT and GPIO pin control (optional)
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° ~ +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

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

- LGA775 socket Intel® Pentium® 4/ Pentium® D/ Core™2 Duo processor
- Supports four 10/100/1000Mbps Ethernet ports (Intel® 82573L)
- Supports BIOS redirected to COM port
- Supports up to two 2.5 SATA HDD
- Suitable for VPN, network bandwidth controller, firewall and UTM applications
- High performance and cost-effective solution

Overview

SOHO Series

SMB Series

Accessories

## Ordering Information

### Standard

NA-820L-R4GI	1U high performance network appliance with LGA775 socket for Intel® Pentium® 4/Core™2 Duo CPU, 4 10/100/1000Mbps
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### Optional

CK9A102	Cable kit (P/N: 880800006A0E)
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\* 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

