NA-813

Desktop Network Appliance Platform with
Intel® Atom™ Processor N270 and 4 LANs

▲ Front view

▲ Rear view

Supports

Intel Atom inside

Low Power

Features

- Low power and high performance Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache and Intel® 945GSE chipset
- Supports 4 10/100/1000Mbps Ethernet ports (Intel 82583V)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
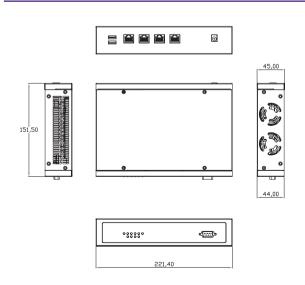- Supports Intel Hyper-threading technology

Introduction

The NA-813 is a power-efficient network appliance platform running on Intel® Atom™ processor N270 1.6 GHz. With a compact housing of 44 x 221 x 151 mm in size, the NA-813 offers four Gigabit Ethernet ports with optional LAN bypass function. The built-in Hyper-threading function and SpeedStep technology helps reduce costly downtime and maximize uptime. One 200-pin SO-DIMM socket supports up to 2 GB DDR2 400/533 system memory. To provide optimal network performance and best utilization, the NA-813 comes with storage interfaces including one 2.5 SATA HDD and CompactFlash™ , and one MiniPCI Express slots available for expansion. With operating temperatures of up to +45˚, the NA-813 is a cost-effective SOHO network appliance platform for VPN, content filtering, UTM, intrusion detection/prevention systems, anit-virus, and firewalls.

Specifications

System

CPU	Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache
Chipset	Intel® 945GSE + ICH7-M
Memory	1 x SO-DIMM DDR2 400/533 max. up to 2GB
BIOS	AMI 8Mbit 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® 82583V (default), Intel® 82574L (optional))
SSD	1 x optional DiskOnModule (USB type) 1 x CompactFlash™ type-II
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental

Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 221.4 mm (8.71") (W) x 151.5 mm (5.96") (D)
Weight (net/gross)	2.35 kg (5.18 lb)/2.6 kg (5.75 lb)
Certification	FCC class B/CE class B

Ordering Information

Standard

NA-813-D4GI-1.6G	Compact network appliance with Intel Atom processor N270 1.6 GHz and 4 10/100/1000Mbps (Intel 82583V)

Optional

CK9A100	Cable kit (P/N: 88080000640E)

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x SATA Cable
1 x utility CD (user's manual and driver)

Dimensions

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