

NA-813FL

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



▲ Front view



▲ Rear view



Fanless Low Power

Introduction

The NA-813FL is a compact fanless network hardware platform for VPN, firewall and other network security applications. It's best suited for space limited environments. The NA-813FL supports low power Intel® Atom™ processor N270 1.6 GHz with Intel® 945GSE chipset and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2 400/533 memory and for storing event log data. The NA-813FL features one internal 2.5 HDD, and a Mini PCIe for wireless card installation. In addition to these features, the NA-813 is equipped to support LAN bypass through WDT and GPIO pin definitions. (To Prevent sudden shutdown)

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 2 GB (wide temperature support is available upon request)
BIOS	AMI 8Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
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 (wide temperature is available upon request)
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
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 230 mm (9.05") (W) x 152.1 mm (5.98") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

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
- Supports fanless and noiseless operation
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

Standard

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

CK9A100	Cable kit (P/N: 88080000640E)
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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 DC power adapter 12V/5A
1 x SATA Cable
1 x utility CD (user's manual and driver)

Dimensions

