

# NA-810A/B

Compact Network Appliance Platform with VIA Eden ULV/C7 Processor and 4 LANs



▲ NA-810A



▲ NA-810B



Fanless Low Power

## Introduction

The NA-810A and NA-810B are compact network hardware platforms with four Ethernet ports for VPN, firewall and other network security applications. They support low power Eden V4/C7 processors and feature a compact and slim form factor. The NA-810A and NA-810B support up to 1 GB of SO-DIMM DDR2 memory. For storing event log data, the NA-810A/B features an internal 2.5 HDD. LAN bypass is an optional function available to control NA-810A/B through WDT and GPIO pin controls. One MiniPCI slot with 32-bit/33MHz is available for expansion if customer wish to install wireless module or VPN card.

## Specifications

### System

CPU	Onboard low power VIA Eden ULV 500 MHz
Chipset	VIA CN700 and VIA 8237R+
Memory	1 x SO-DIMM DDR2 400/533 max. up to 1 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 IDE HDD (for NA-810A) 1 x 2.5 IDE or SATA HDD (for NA-810B)
Network Interface	4 x 10/100Mbps Ethernet (Realtek 8100C)
SSD	1 x CompactFlash™ type-II (for NA-810B)
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	1 x 32bit/33MHz MiniPCI slot (NA-810B)
Other Features (optional)	LAN bypass function (LAN1, LAN2) through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

### Mechanical/ Environmental

Form Factor	Slim desktop and 1U desktop
LED	Power, HDD, Link/Act with transfer rate
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	30 mm (1.18") (H) x 210 mm (8.27") (W) x 157 mm (5.94") (D) for NA-810A (including connector) 44 mm (1.73") (H) x 210 mm (8.27") (W) x 151 mm (5.94") (D) for NA-810B (including connector)
Weight (net/gross)	2.20 kg (4.85 lb)/2.46 kg (5.42 lb) for NA-810A 2.35 kg (5.18 lb)/2.61 kg (5.75 lb) for NA-810B
Certification	FCC class B

## Features

- Low power and high performance VIA Eden ULV/C7 processor
- Supports 4 10/100Mbps Ethernet ports (Realtek 8100C)
- Supports BIOS redirected to COM port feature
- Supports one 2.5 IDE or SATA HDD
- Supports both fanless and quiet operation (for NA-810A)
- Suitable for VPN, network bandwidth controller, firewall applications

## Ordering Information

### Standard

NA-810A-S4ER-400	Compact network security appliance with VIA Eden V4 400 MHz CPU (w/o CPU fan) and 4 10/100Mbps
NA-810B-D4ER-1G	Compact network security appliance with VIA C7 1 GHz CPU (w/ CPU fan) and 4 10/100Mbps

### Optional

CK9A100	Cable kit (P/N: 88080000640E)
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\*Specifications and certifications are based on options and may vary.

\*\*NA-810A with ULV Eden 500 MHz or ULV Eden 1.0 GHz for fanless operation is available upon ODM/OEM request.

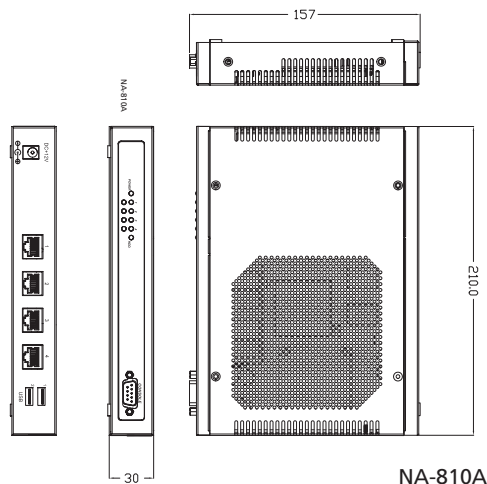
\*\*\*NA-810B with ULV Eden 1.0 GHz for fanless operation is available upon ODM/OEM request.

\*\*\*\*Recommend ordering optional cable kit with first order.

## Packing List

1 x DC power adapter 12V/5A
1 x 44-pin IDE cable (NA-810A)
1 x SATA cable (NA-810B)
1 x utility CD (user's manual and driver)

## Dimensions



NA-810A

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