

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.

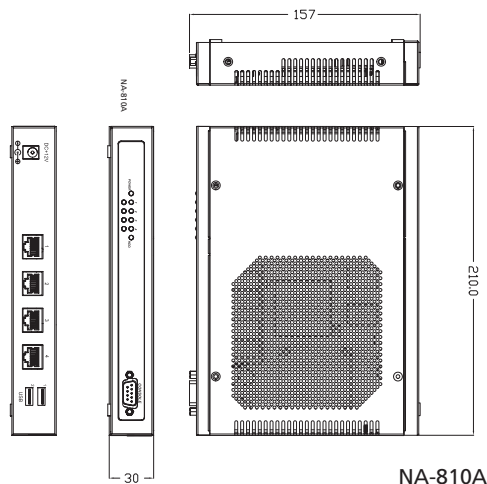
***NA-810B with ULV Eden 1.0 GHz for fanless operation is available upon ODM/OEM request.

****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



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