

# NA-812B

1U Rackmount Network Appliance Platform with Low Power Intel® Core™2 Duo Processor, 6 LANs and Intel® AMT



## Introduction

The NA-812B 1U rackmountable network appliance platform is configured with an ultra low power Intel® Core™2 Duo processor up to 2.26 GHz with Mobile Intel® GM45 Express chipset to deliver exceptional performance with minimum power consumption. Two DDR3 SO-DIMM slots support 800/1066 memory up to 4GB capacity. Available with six Gigabit Ethernet ports thru PCIe interface, the platform delivers high throughput. To ensure an uninterrupted network connection, the NA-812B supports a bypass function which is activated automatically when the system is powered down or off. For storing event log data, the NA-812B has space for two 2.5" SATA2 HDD or one 3.5" SATA2 HDD. The built-in Intel® Active Management Technology 4.0 allows IT administrators to better discover, resolve, and protect their networked computing assets.

## Specifications

System	
CPU	Low power Intel® Core™2 Duo processor onboard, up to 2.26 GHz (default is Intel® Celeron® 723)
Chipset	Intel® GM45 and Intel® ICH9-IEM
Memory	2 x SO-DIMM DDR3 800/1066 max. up to 4 GB
BIOS	AMI 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA2 HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82574L/82567DM)
SSD	Supports DiskOnModule through SATA2 interface
I/O Interface	1 x console (RJ-type), 2 x USB connector, 6 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 32bit/33MHz MiniPCI slot
Other Feature	LAN bypass function through WDT and GPIO pin control
Power Supply	84W switching power supply (open frame)
Management	Intel® AMT (Active Management Technology) 4.0
Capability	for remote ctrl and diagnosis
OS Compatibility	Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, LAN bypass, Link/Act with transfer rate
Operating Temp.	0° C - +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 430 mm (16.93") (W) x 248 mm (9.76") (D)
Weight (net/gross)	7 kg (15.43 lb)/8 kg (17.64 lb)
Certification	FCC class A/CE class A



## Features

- Ultra low power and high performance; Intel® Core™2 Duo up to 2.26 GHz with 6MB L2 cache processor
- Supports six 10/100/1000Mbps Ethernet ports (Intel® 82574L/82567DM)
- Supports BIOS redirected to COM port features
- Supports AMT remote enclosure management capability, system reset and firmware remote uploading features
- Supports up to two 2.5" SATA2 HDD
- High computing performance and throughput for processor and LAN ports
- Suitable for network appliance: VPN, network bandwidth controller, firewall and UTM

## Ordering Information

Standard	
NA-812B-R6GI	Ultra low power network appliance with ULY Intel® Celeron® M 723, 6 10/100/1000Mbps
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

\* Specifications and certifications are based on options and may vary.

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

## Packing List

- 2 x SATA cable
- 1 x power cord
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

## Dimensions

