

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 ULV 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

