

NA-812A

Desktop Network Appliance Platform with Low Power Intel® Core™2 Duo Processor and 6 LANs



Introduction

Designed with green concept in mind, the NA-812A integrates a low power Intel® Core™2 Duo processor up to 1.8 GHz or Celeron® M 1.2 GHz processor with the Mobile Intel® GM45 Express chipset. Two DDR3 SO-DIMM slots support 800/1066 memory up to 4GB. Available with six Gigabit Ethernet ports thru PCIe interface, the NA-812A delivers high throughput. To prevent network problems when the platform shuts down, the NA-812A supports one group of LAN bypass function. The built-in Intel® Active Management Technology 4.0 answers customers' need of enhanced security and remote access for easier maintenance. For system login with monitoring and building control proxy, the NA-812A has space for a 2.5" SATA2 HDD.

Specifications

System	
CPU	Low power Intel® Core™2 Duo/ Penryn processor up to 1.8 GHz, Intel® Celeron® M 1.2 GHz (723) (default) onboard
Chipset	Intel® GM45 and Intel® ICH9-IEM
Memory	2 x SO-DIMM DDR3 800/1066 max. up to 4 GB
BIOS	AMI 32Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA2 HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82574L/82567LM)
SSD	Supports DiskOnModule through SATA2 interface
I/O Interface	1 x RS-232 RJ-45 connector, 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack, system reset switch, factory default switch
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
Other Feature (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply Management	1 x 12V, 5A power adapter
Capability	Intel® AMT (Active Management Technology) 4.0
OS Compatibility	Supports remote diagnosis and control Linux Redhat Kernel 2.6
Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, LAN bypass, Link/Act with transfer rate
Operating Temp.	0° C - +40° C (32° F - 104° 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 221 mm (8.66) (W) x 151.5 mm (5.94) (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Features



- Ultra low power and high performance; up to LV Intel® Core™2 Duo 1.8 GHz with 6MB L2 cache processor
- Supports six 10/100/1000Mbps Ethernet ports (Intel® 82574L/82567LM)
- Supports BIOS redirected to COM port features
- Supports AMT remote enclosure management capability, system reset and firmware remote uploading features
- Supports one 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-812A-D6GI	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

- 1 x SATA cable
- 1 x DC power adapter 12V/5A
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions

