# 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 deliveries 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	LAN bypass function through WDT and GPIO pin control
(optional)	(one group)
Power Supply	1 x 12V, 5A power adapter
Management	Intel® AMT (Active Management Technology) 4.0
Capability	Supports remote diagnosis and control
OS Compatibility	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

SOHO Series

- Intel® Core™2 Duo 1.8 GHz with 6MB L2 cache 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**

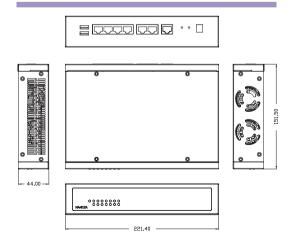
	Standard
NA-812A-D6GI	Ultra low power network appliance with ULV Intel® Celeron® M 723, 6 10/100/1000Mbps
	Optional
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

<sup>\*</sup> Specifications and certifications are based on options and may

## **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**



<sup>\*\*</sup> Recommend ordering optional cable kit with first order.