

NA-821

Network Appliance Platform with LGA775 Intel® Core™2 Quad/
Core™2 Duo Processor, 2 PCIe I/O Modules and up to 11 LANs



Features

- LGA775 socket Intel® Core™2 Duo or Core™2 Quad processor, up to FSB 1333 MHz
- Supports PCIe I/O slots for LAN modules expansion
- Supports BIOS redirected to COM port features
- Supports two SATA 2.5" HDD and RAID feature
- Smart fan and intrusion control
- Independent WDT and GPIO pins control for different LAN bypass groups
- Suitable for network appliance: VPN, network bandwidth controller, firewall and UTM

Introduction

The NA-821 has up to 11 Gigabit Ethernet ports thru PCIe/PCI interface and up to 4-group LAN bypass segments. The system supports an Intel® Core™2 Quad/Core™2 Duo processor with a 800/1066/1333 MHz frontside bus and is equipped with the Intel® Q35+ICH9DO Express chipset. For greater flexibility and easier maintenance, the NA-821 has two front-accessible expansion slots that allow developers to configure PCIe LAN modules based on their solution requirements. The NA-821 supports two DDR2 667/800 DIMM sockets up to 4GB

memory. Additionally, the NA-821 has storage interfaces including two SATA 2.5" HDD and CompactFlash™. To prevent problems from platform shutdown, the NA-821 supports up to four groups of LAN bypass function through WDT and GPIO pin definitions. The network security platform also offers powerful management functions, including BIOS redirection and SNMP (optional).

Specifications

System		Other Feature	* Supports SPI Flash
CPU	LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor with FSB 800/1066/1333 MHz		* Supports firmware upgrade functions by SMBus EEPROM
Chipset	Intel® Q35 + ICH9DO		* Supports RAID function
Memory	2 x DDR2 667/800 DIMM max. up to 4 GB	LCD Module	Yes. Programmable through RS-232 interface 4 hard keys on the front panel for users operation
BIOS	Award 32Mbit PnP Flash BIOS (SPI) with function of BIOS redirected to COM port	Enclosure Management	Smart fan control (for fan management speed and failure alert), intrusion control for case open
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)	Power Supply	270W ATX power supply
Network Interface	The default is ten 10/100/1000Mbps Ethernet and four LAN bypass segments. More LAN ports expandability of the device by LAN modules up to 11 LAN ports in total (maximum)	OS Compatibility	Redhat Linux 2.4 and 2.6 Kernel
SSD	1 x CompactFlash™	Mechanical/ Environmental	
I/O Interface	1 x console (RJ-type), 2 x USB connector, 10 x RJ-45 connector	Form Factor	1U rackmount
Watchdog Timer	255 stepping for porting	LED	Power, HDD, Link/Act with transfer rate
USB	2 x USB 2.0 port on front side, rest are internal pin headers	Operating Temp.	0°C ~ +40°C (32°F ~ 104°F)
Expansion Slot	One slot for PCI-X 64-bit/133MHz and one PCI slot with 32-bit/33MHz by AX90621 module	Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Other Feature	Reset and power on/off function onboard (pin)	Humidity	10% ~ 95% RH, non-condensing
		Chassis Material	Steel
		Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 430 mm (16.92") (D)
		Weight (net/gross)	9.3 kg (20.5 lb)/10.5 kg (23.15 lb)
		Certification	FCC class A

Ordering Information

Standard	
NA-821-RAGI-2527	1U extreme performance network security appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo CPU, 10 10/100/1000Mbps
NA-821-RBGI-2528	1U extreme performance network security appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo CPU, 11 10/100/1000Mbps w/o PCI-X 64/133 slot
NA-821-R4GI-RC	1U extreme performance network security appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo CPU, 4 10/100/1000Mbps

Optional	
CK9A103	Cable kit (P/N: 8816E821000E)
59416112100E	Cable DB9 (M) - RJ-45 L: 1.5M straight cable

Packing List

1 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

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

** Recommend ordering optional cable kit with first order.

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PCIe LAN Modules for NA-821

Configuration I

PCIe Gigabit module with up to 4 LAN ports and PCIe Gigabit module with up to 2 LAN ports, 2 LAN bypass segments.

	AX93125-4GI	AX93125-2GI
PCIe Gigabit	4	2
Ethernet Controller	Intel® 82573L	Intel® 82573L
Interface Type	RJ-45	RJ-45
Bypass Segment	2	0
Slot Location	Slot 1	Slot 2
PCI-X Slot	Yes, PCI-X 64-bit/133MHz	

*Default

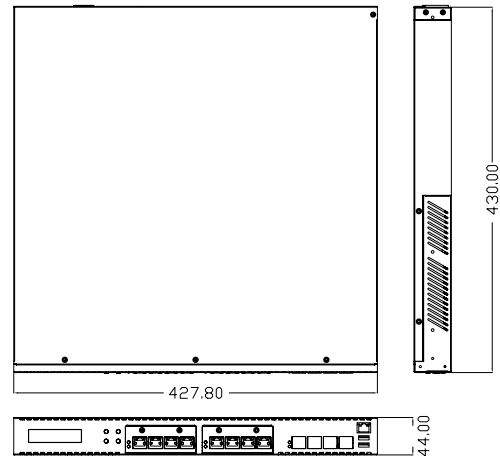
Configuration II

PCIe Gigabit module with up to 4 LAN ports and PCIe Gigabit module with up to 3 LAN ports, 2 LAN bypass segments.

	AX93125-4GI	AX93125-3GI
PCIe Gigabit	4	3
Ethernet Controller	Intel® 82573L	Intel® 82573L
Interface Type	RJ-45	RJ-45
Bypass Segment	2	0
Slot Location	Slot 1	Slot 2
PCI-X Slot	N/A	

*The configuration is upon OEM/ODM requirement.

Dimensions



Overview

SOHO Series

SMB Series

Accessories

