NA-822

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 10 LANs

▲ Front view

▲ Rear view

Features

- LGA775 socket Intel® Core™2 Quad/Core™2 Duo/Celeron® processor
- Supports ten 10/100/1000Mbps Ethernet ports (Intel 82574L)
- DDR2 DIMM memory up to 4GB un-buffer ECC
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports BIOS redirected to COM port
- Supports Cavium CN16XX series accelerator onboard
- Suitable for VPN, firewall and other network security applications

Introduction

The NA-822 built around an Intel 3210 plus ICH9R chipset supporting Intel® Core™2 Quad, Core™2 Duo, Intel® Celeron® E1500 and Celeron® 440 processors with LGA775 socket and a 1333 MHz FSB. The NA-822 supports two unbuffered ECC DDR2 DIMM slots with memory up to 4GB and ten 10/100/1000Mbps LAN ports with up to 2-group LAN bypass. The onboard Cavium CN1605 VPN security co-processor supports multi-security protocol commands and is able to offload the CPU to increase overall system performance. For storing event log data, the NA-822 has powerful storage interfaces including one 2.5" SATA HDD or one 3.5" SATA HDD, and a CompactFlash card. To prevent problems from sudden shutdown, the communication appliance supports LAN bypass function through WDT and GPIO pin definitions.

Specifications

System

CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo desktop processor family or Celeron processor 440 or Celeron® E1500
Chipset	Intel® 3210 + Intel® ICH9R
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB (unbuffered ECC/non-ECC)
BIOS	Award 16 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	Interface 2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	10 x 10/100/1000Mbps Ethernet (Intel® 82574L)
SSD	1 x CompactFlash™/DOM option for USB type
I/O Interface	1 x console (RJ type), 2 x USB connector, 10 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/1 x PCIe x8 slot
Other Features	Support 2 groups LAN bypass for LAN1 and LAN2, LAN3 and LAN4
Power Supply	270W ATX power
OS Compatibility	Linux Red Hat 2.4 and 2.6, FreeBSD

Mechanical/ Environmental

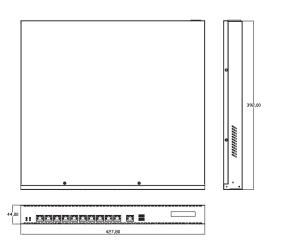|	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 392 mm (15.43") (D)
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard

NA-822-RAGI w/Cavium	1U high performance network appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo processor and 10 10/100/1000Mbps, Cavium CN1605
NA-822-RAGI w/o Cavium	1U high performance network appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo processor and 10 10/100/1000Mbps

Optional

AX92101	VGA MiniPCI module
CK9A103	Cable kit (P/N: 8816E821000E)

* 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 DB9F to RJ-45 1.8M console cable (RC)

Dimensions

392,00

44,00

427,80

axiomtek.com