

NA-100

Desktop Fanless Network Appliance Platform with AMD Geode LX800 Processor and 4 LANs



▲ Front view



▲ Rear view



Fanless Low Power

Introduction

The NA-100 1U-height desktop network appliance platform integrates a low power consumption AMD Geode™ LX800 processor with AMD Geode™ CS5536AD chipset. Available with four Fast Ethernet ports thru PCI interface, the NA-100 offers reliable network connection for data transaction for small office network environments through Realtek 8100C LAN chip. This compact network platform supports up to a maximum of 512MB of DDR266/333/400 SO-DIMM socket with unbuffered non-ECC memory. To provide optimal network performance for more complex security application requirements, 2.5" HDD, CompactFlash™ and MiniPCI slot with 32-bit/33MHz are available for expansion to increase storage.

Specifications

System

CPU	AMD Geode LX800 onboard; LX600/ LX700 as option
Chipset	AMD Geode CS5536AD
Memory	2 x SO-DIMM DDR 333/400 max. up to 2 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 IDE HDD
Network Interface	4 x 10/100Mbps Ethernet (Realtek 8100C)
SSD	1 x CompactFlash™ type-II
I/O Interface	1 x RS-232 DB9 connector, 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
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 32-bit/33MHz MiniPCI slot
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental

Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.79") (H) x 210.2 mm (8.27") (W) x 151.2 mm (5.94") (D)
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)
Certification	FCC class B/CE class B

Features

- Ultra low power AMD Geode LX800 processor
- Supports four 10/100Mbps Ethernet ports (Realtek 8100C)
- Supports LAN bypass and BIOS redirected to COM port
- Supports one 2.5 IDE HDD
- Supports accelerated IPsec security engines and wireless module through miniPCI
- Suitable for VPN, UTM, network bandwidth controller, SSL/TLS, firewall and other embedded box applications

Ordering Information

Standard

NA-100-D4ER-500	Ultra low power fanless network appliance with AMD LX800 CPU, 4 10/100Mbps
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Optional

CK9A100	Cable kit (P/N: 88080000640E)
AX93300	PATA to SATA converter module card

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

** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x 44-pin IDE cable
1 x utility CD (user's manual and driver)

Dimensions

