

# NA100

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



▲ Front view



▲ Rear view



## Introduction

The NA100 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 NA100 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
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	
NA100-D4ER-500 (P/N: E26E100100)	Ultra low power fanless network appliance with AMD LX800 CPU, 4 10/100Mbps

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

