NA100

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





- 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





SOHO Series



SMB Series



Accessories





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 |
| | |

Ordering Information

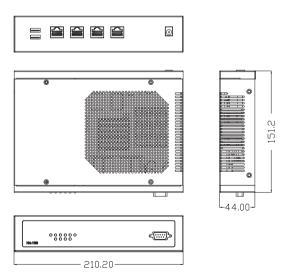
| Standard | |
|-------------------------------------|--|
| NA100-D4ER-500 (P/N: E26E100100) | Ultra low power fanless network appliance with AMD LX800 CPU, 4 10/100Mbps |
| Optional | |
| CK9A100 | Cable kit (P/N: 88080000640E) |
| | DATA . CATA |
| AX93300 | PATA to SATA converter module card |

^{**} 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



^{*} All specifications and photos are subject to change without notice.