

ET500

ET500 AMD Geode LX-based ETX CPU Module



[Click to enlarge](#)

ET500 SPECIFICATIONS

CPU

Supports AMD Geode LX processors

LX800 @500MHz (**ET500F**)

LX700 @433MHz (**ET500**)

Chipset

AMD CS5536 I/O companion multi-function south bridge

BIOS

Award BIOS, ACPI supported

System Memory

One DDR SODIMM socket, Max. 1GB capacity

Integrated VGA

LX800/LX700 built-in high performance 2D graphic controller, supports CRT display

LVDS

TI SN75LVDS83 x1 for LVDS (default 18-bit single channel)

LAN

Realtek RTL8100CL-LF 10/100Mbps Ethernet chip x1

Audio

Realtek ALC203 AC97 audio stereo codec (line-out, line-in & mic)

Multi I/O

Winbond W83627HG: KB/Mouse controller, Parallel, IrDA, Floppy, COM1, COM2 (RS232) & Hardware monitor (3 thermal inputs & 4 voltage monitor inputs)

IDE Interface

CS5536 built-in one channel; supports UDMA33/66/100

USB

CS5536 built-in USB2.0 controller, support 4 ports (on the baseboard)

ET500 FEATURES

- Embedded AMD Geode LX processor, 433MHz (LX700) / 500MHz (LX800)
- DDR SO-DIMM x 1, Max. 1GB
- Realtek RTL8100CL 10/100 BaseT Ethernet
- Integrated LX800/LX700 2D VGA controller, supports CRT & LVDS interfaces

- 4 x USB 2.0, 2 x COM, slim FDD, PCI to ISA bridge
- Watchdog timer, hardware monitoring

PCI to ISA Bridge

ITE IT8888G TFBGA (w/o ISA master & PnP)

Other Features

Watchdog Timer

ETX Interface to Baseboard

ETX connector x 4 for PCI-Bus, USB, Sound, VGA (CRT & LVDS), COM Ports, Parallel Port, IDEs, Keyboard / Mouse, LAN & ISA-Bus

Onboard Header

Slim FDD connector x1

Dimensions

95mm x 114mm (3.74" x 4.5")

Environmental Factors:

Operating Temperature: 0°C~60°C (32°F~140°F)

Storage Temperature: -20°C~80°C (-68°F~176°F)

Relative Humidity: 10%~90% (non-condensing)

Ordering Information:

ET500-R - AMD LX700 (433MHz) ETX CPU module w/ 10/100 LAN, VGA, optional heatsink (RoHS compliant)

ET500F-R - AMD LX800 (500MHz) ETX CPU module w/ 10/100 LAN, VGA, optional heatsink (RoHS compliant)

***Remarks:** Boards supporting -20°C~70°C wide temperature are optionally available. Please inform your sales contact, if required.*

***Additional Information:** The AMD Geode LX 800@0.9W processor operates at a maximum power of 3.6W (TDP), while the AMD Geode LX 700@0.8W consumes a maximum power of 3.1W*