

ETM620

AMD Geode™ LX Family ETX V3.0 SoM with Multiple I/O Features

1
Embedded Boards & SoMs

ETX® 3.0
Long Term Support



Features

- AMD Geode™ LX800 processor onboard
- AMD LX + CS5536AD+ITE8888G chipset
- DDR SO-DIMM up to 1GB
- 2 Serial ATA-150, 2 PATA-100 supported
- Supports CRT, TTL LCD
- 3 PCI Bus master, ISA Bus supported
- TV-out (optional)
- Extended operating temperature (optional)

SBC Services
and Solutions

System on
Modules

Embedded
SBCs
> EPIC

Embedded
SBCs
> 3.5" Caps

Embedded
SBCs
> Pico-ITX

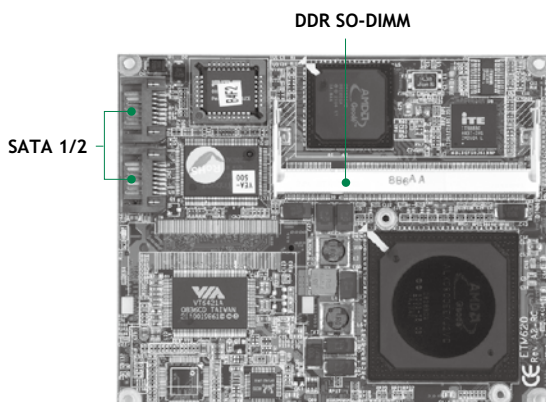
Embedded
SBCs
> PC/104

Industrial
Motherboards

Slot CPU
Cards

Accessories

Appendix



LX CPU
1 F.E.
VGA/TTL LCD
4 USB 2.0
PCI
ISA
AC'97 Audio

System

CPU	AMD Geode™ LX800 processor onboard
System Memory	1 x 200-pin SO-DIMM supports DDR-333/400 max up to 1GB
Chipset	AMD LX800 + CS5536AD
BIOS	Phoenix-Award
SSD	1 x CompactFlash™ type-II (optional; for PIO mode support only)
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	4 x 32-bit PCI bus master 16-bit ISA bus
Battery	N/A
Size	114 x 95 mm
Operation Temperature	Standard: 0°C ~ +60°C (32°F ~ 140°F) Optional: -40°C ~ +85°C (-40°F ~ +185°F)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

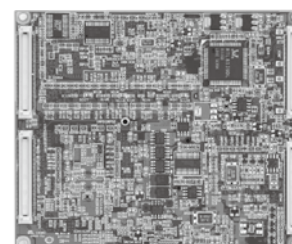
I/O

MIO	2 x IDE; PATA-100 1 x FDD (optional) 1 x LPT; with SPP/EPP/ECP supported 1 x PS/2 keyboard 1 x PS/2 mouse 2 x UARTs 1 x IrDA
SATA	2 x SATA-150
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Realtek RTL8139DL
Audio	AC'97 Codec audio as MIC-in/Line-in/Line-out with Realtek ALC203
USB	4 x USB 2.0

Display

Chipset	AMD LX intergrated
Memory Size	Max. up to 254 MB
Display Interface	1 x VGA 1 x TTL LCD; Max up to 24-bit

* W.T.: Wide Temperature



▲ Rear view

Packing List

Quick installation guide, user's manual/utility CD, cable

Ordering Information

Standard	
ETM620VEA-500 (P/N: E38G620100) (Fanless)	ETX 3.0 SoM with AMD Geode™ LX800 CPU onboard, VGA/TTL LCD, 10/100Mbps, AC'97 audio and 2 UARTs ports
Optional	
ETM620VEA-500 -ET (P/N: E38G620102) (Fanless)	ETX 3.0 SoM with AMD Geode™ LX800 CPU onboard, VGA/TTL LCD, 10/100Mbps, AC'97 audio, 2 UARTs ports and W.T. (-40°C ~ +85°C)
ETB9F000	ATX form factor baseboard