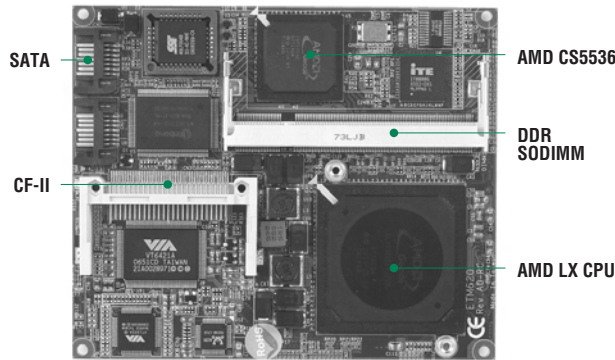


ETM620

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

1

Embedded Computing Platforms

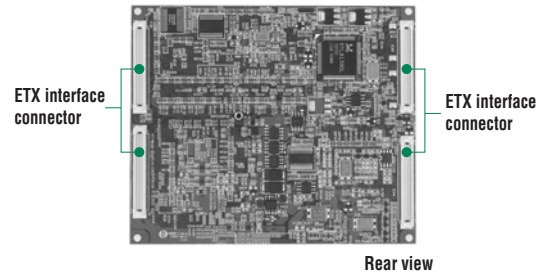


Features

ETX[®] 3.0
Long Term Support



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



System

CPU	Onboard AMD Geode™ LX family processor
System Memory	1 x 200-pin DDR SODIMM max. up to 1GB
Chipset	AMD LX+CS5536AD+ITE8888G
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS Backup
SSD (optional)	CompactFlash™ Type-II
Watchdog Timer	255 levels as reset from 0~255 seconds
Expansion Interface	PCI and ISA through ETX interfaces
Size	114 x 95 mm
Temperature	0~60°C, operation (optional -40~+85°C)
Operation Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	2 x PATA-100 IDE, 2 x SATA-150 IDE, 1 x FDD/LPT, 1 x PS/2 K/B, 1 x PS/2 MS, 2 x UARTs, 1 x IrDA
Ethernet	Realtek RTL8139DL for Fast Ethernet controller
TV-out (optional)	HDTV, S-Video, Composite
Audio	AC'97 Codec Audio
USB	4 x USB 2.0 port

Display

Chipset	Integrated in AMD LX
Memory Size	Max. up to 254MB frame buffer sharing system memory
Resolution	* Standard Display Mode: CRT: 1920 x 1440; LCD: 1600 x 1200
Output Interface	* CRT for DAC output through ETX connector * TTL LCD through ETX connector

Packing List

- Quick installation guide
- Manual, driver, heat-spreader & utility CD, SATA cable (refer to cable list in chapter 9)

Ordering Information

Standard	
ETM620VEA-500 (Fanless)	ETX 3.0 SoM with AMD Geode™ LX800 CPU onboard, CRT/TTL LCD, Fast Ethernet, AC'97 audio and 2 x UARTs port
Optional	
ETM620VEAT-500 (Fanless)	ETM620 with AMD Geode™ LX800 CPU onboard, CRT/TTL LCD, Fast Ethernet, AC'97 Audio and 2 x UARTs port, TV-out
ETM620VEA-500 -ET (Fanless)	ETM620 with AMD Geode™ LX800 CPU onboard, CRT/TTL LCD, Fast Ethernet, AC'97 Audio and 2 UARTs ports, Extended temp. -40°C~85°C
ETB9F000	ATX form factor baseboard

ECP Services and Solutions

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PC/104 Modules

Mini PCI Modules

Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix