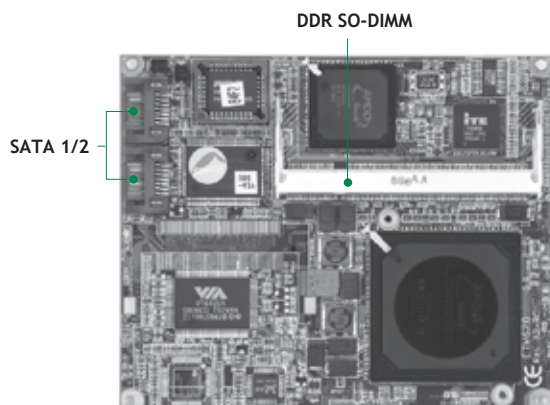


ETM620

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



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



Features

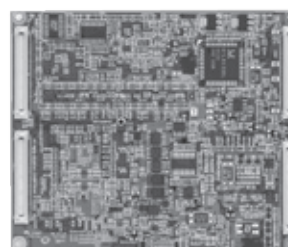
- AMD Geode™ LX800 processor onboard
- AMD LX + CS5536AD + ITE8888G chipset
- DDR SO-DIMM up to 1GB
- 2 Serial ATA-150, 2 PATA-100 supported
- Supports CRT, TTL LCD
- 3 PCI Bus master, ISA Bus supported
- TV-out (optional)
- Extended operating temperature (optional)

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 |
| Power Requirements | AMD LX800 @500 MHz, 512MB DDR Max. RMS: +5V @ 1.547A |
| Size | 114 x 95 mm |
| Board Thickness | 1.6 mm |
| Operating Temperature | Standard: 0° C ~ +60° C (32° F ~ 140° F) Optional: -40° C ~ +85° C (-40° F ~ +185° F) |
| Relative 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 |



▲ Rear view

Display

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

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 Ethernet, 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 Ethernet, AC'97 audio, 2 UARTs ports and W.T. (-40° C ~ +85° C) |
| ETB9F000 | ATX form factor baseboard |

* W.T.: Wide Temperature