

## Features

- Onboard AMD Geode™ LX Series Processor
- AMD CS5536
- SODIMM DDR 333/400 Memory, Max. 1 GB
- 10/100Base-TX Ethernet
- CRT, Up to 24-bit LVDS LCD, TTL LCD
- AC97 2.3 Codec 2CH Audio
- PATA x 2, SATA 3.0Gb/s x 2 (on Module), CompactFlash™ Type 1 Slot x 1 (On Module)
- USB2.0 x 4, COM x 2
- +5V Only Operation



## Specifications

| System                      |   |
|-----------------------------|---|
| Form Factor                 | ETX   |
| Processor                   | Onboard AMD Geode™ LX Series Processor<br>LX700: 433 MHz<br>LX800: 500 MHz (Default)<br>LX900: 600 MHz                                  |
| System Memory               | 200-pin DDR SODIMM x 1,<br>Max. 1 GB (DDR333 up to 1 GB; DDR400 up to 512 MB)   |
| Chipset                     | AMD Geode™ LX + CS5536  |
| I/O Chipset                 | Winbond W83627HG  |
| Ethernet                    | Realtek RTL8139DL, 10/100Base-TX  |
| BIOS                        | Award, PLCC type, 2 MB ROM  |
| EEPROM                      | Microchip 24LCS52-I/SN, save BIOS and configuration data  |
| Wake on LAN                 | Yes   |
| Watchdog Timer              | Generates a time-out system reset   |
| H/W Status Monitoring       | Supports power supply voltages, fan speed and temperature monitoring  |
| Expansion Interface         | 32-bit PCI x 4<br>8-bit/ 16-bit ISA<br>SM Bus x 1<br>I2C x 1  |
| Power Requirement           | +5V DC  |
| Power Consumption (Typical) | LX800, DDR333 1 GB<br>0.25A@+12V, 2.02A@+5V<br>w/TF-ECB-901A-A10-01   |
| Board Size                  | 4.5" (L) x 3.75" (W) (114mm x 95mm)   |
| Gross Weight                | 0.66 lb (0.3 Kg)  |
| Operating Temperature       | 32°F ~ 140°F (0°C ~ 60°C)   |
| Storage Temperature         | -40°F ~ 176°F (-40°C ~ 80°C)  |
| Operating Humidity          | 0% ~ 90% relative humidity, non-condensing  |
| MTBF                        | 110,000   |
| Display                     |   |
|                             | Supports CRT/LCD Simultaneous Display   |
| Chipset                     | AMD Geode™ LX processor integrated  |
| Memory                      | Shared system memory up to 254 MB   |
| Resolutions                 | Up to 1920 x 1440 @ 32bpp at 85 Hz for CRT<br>Up to 1600 x 1200 @ 32bpp at 100 Hz for CRT<br>Up to 1600 x 1200 @ 32bpp at 60 Hz for LCD |
| LCD Interface               | 18-bit/ 24-bit TTL (TF-ETX-701-A10)<br>18-bit single-channel LVDS (TF-ETX-701-A10-01)<br>24-bit single-channel LVDS (TF-ETX-701-A10-02) |

| I/O           |  |
|---------------|--|
| Storage       | PATA x 2 (four devices), SATA 3.0Gb/s x 2 (on module), CompactFlash™ Type 1 slot x 1 (on module) |
| Serial Port   | 2  |
| Parallel Port | 1  |
| USB           | USB2.0 x 4   |
| PS/2 Port     | Keyboard x 1, Mouse x 1  |
| IrDA          | One IrDA Tx/Rx header  |
| Audio         | Mic-in, Line-in, Line-out  |

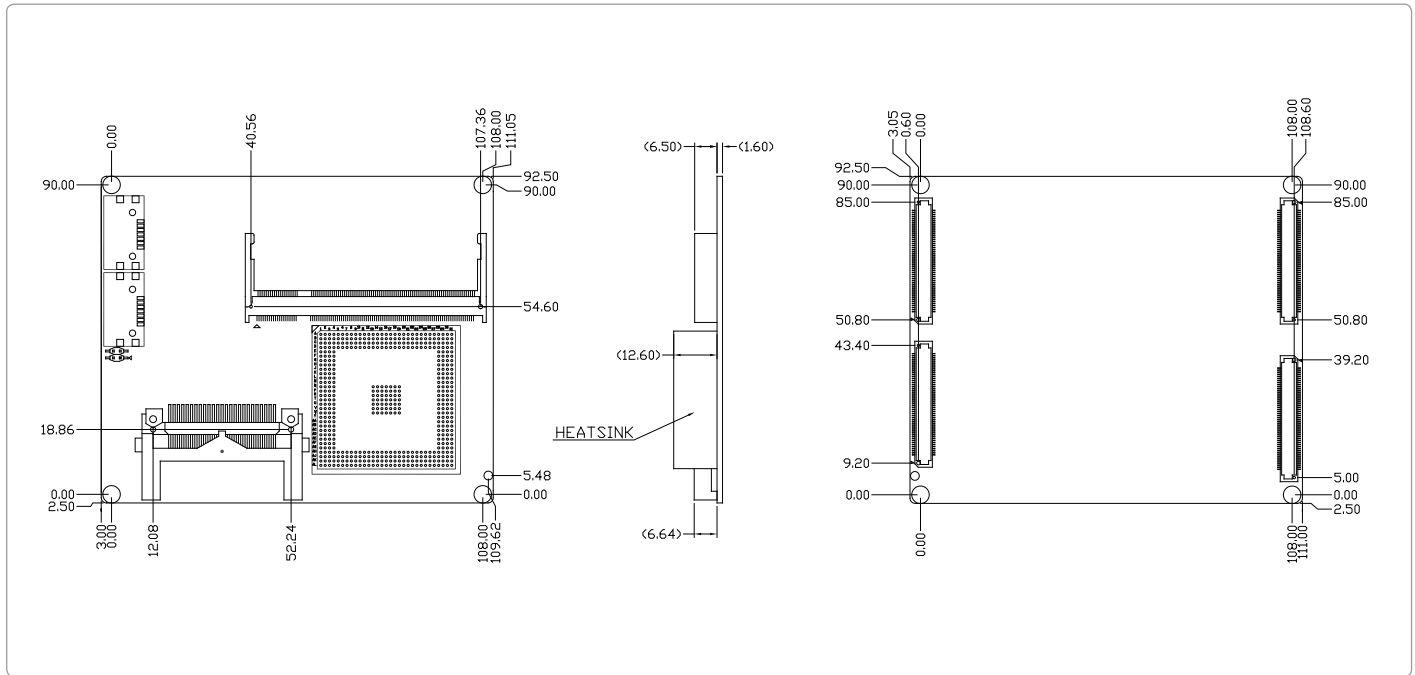
## Packing List

- M2.5 Screw x 4
- Product CD
- ETX-701

# ETX-701

## Dimension

Unit: mm



## Ordering Information

| Part Number       | CPU                     | Memory                 | Display   | LVDS                  | Storage                         | LAN    | USB2.0 | KB/MS | URAT | LPT | Expansion Slot                     | Power | Temp     |
|-------------------|-------------------------|------------------------|-----------|-----------------------|---------------------------------|--------|--------|-------|------|-----|------------------------------------|-------|----------|
| TF-ETX-701-A10    | AMD Geode™ LX800/500MHz | DDR SODIMM x 1 Max.1GB | CRT, TTL  | 24-bit TTL            | SATA2 x 1<br>PATA x 2<br>CF x 1 | FE x 1 | 4      | 1     | 2    | 1   | 8-bit/16-bit/ISA<br>32-bit PCI x 4 | 5V    | 0°C-60°C |
| TF-ETX-701-A10-01 | AMD Geode™ LX800/500MHz | DDR SODIMM x 1 Max.1GB | CRT, LVDS | 18-bit Single Channel | SATA2 x 1<br>PATA x 2<br>CF x 1 | FE x 1 | 4      | 1     | 2    | 1   | 8-bit/16-bit/ISA<br>32-bit PCI x 4 | 5V    | 0°C-60°C |
| TF-ETX-701-A10-02 | AMD Geode™ LX800/500MHz | DDR SODIMM x 1 Max.1GB | CRT, LVDS | 24-bit Single Channel | SATA2 x 1<br>PATA x 2<br>CF x 1 | FE x 1 | 4      | 1     | 2    | 1   | 8-bit/16-bit/ISA<br>32-bit PCI x 4 | 5V    | 0°C-60°C |

## Optional Accessories

- TF-ECB-902M-A10**  
 ETX Carrier Board, LAN, Audio, 4 COM, USB2.0, PCI, ISA, AT/ATX, Rev. A1.0 (For ETX-LN, ETX-945GSE, ETX-701, ETX-700)
- TF-PER-A036**  
 Passive Heatsink, for ETX-700/ ETX-701
- TF-PER-A050**  
 HeatSpreader, For ETX-700/ ETX-701