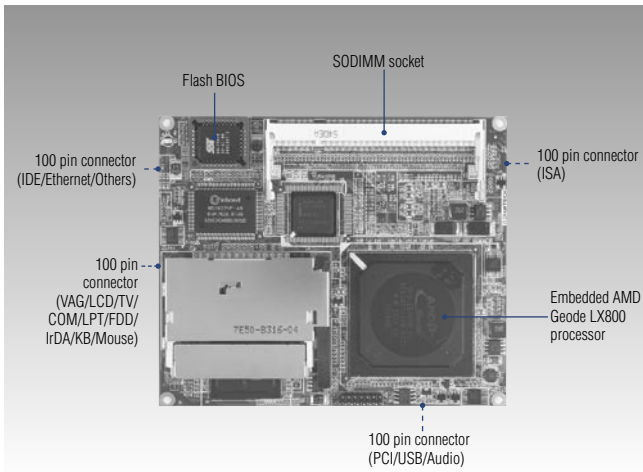


SOM-4455

AMD SOM-ETX Module w/CPU, VGA,
LCD/LVDS, Audio & LAN



Specifications

- **CPU** Embedded AMD Geode™ LX800-500 MHz
- **System Memory** DDR SDRAM SODIMM x 1, Max. 512 MB
- **System Chipset** AMD CS 5536
- **BIOS** AWARD 256 KB Flash BIOS
- **SSD** Supports CompactFlash® card
- **Watchdog Timer** 1-255 Sec, System reset
- **Expansion Interface** PCI/ISA

I/O

- **MIO** 1 x EIDE (Ultra DMA66), 1 x FDD/LPT, 1 x K/B, 1 x Mouse, 2 x RS-232
- **IrDA** 115 Kbps, IrDA 1.0 compliant
- **Audio** AMD CS 5536, AC'97 2.3 compliant
- **USB** 4 USB ports, USB 2.0/1.1 compliant

Ethernet

- **Chipset** Intel® 82551ER
- **Ethernet Interface** IEEE 802.3u 100Base-T Fast Ethernet

Features

- Embedded AMD Geode processor
- 10/100 Mbps Ethernet
- 18-bit LCD/1 channel LVDS interface
- AC'97 V 2.3 Audio
- Less than 8 watts of power consumption

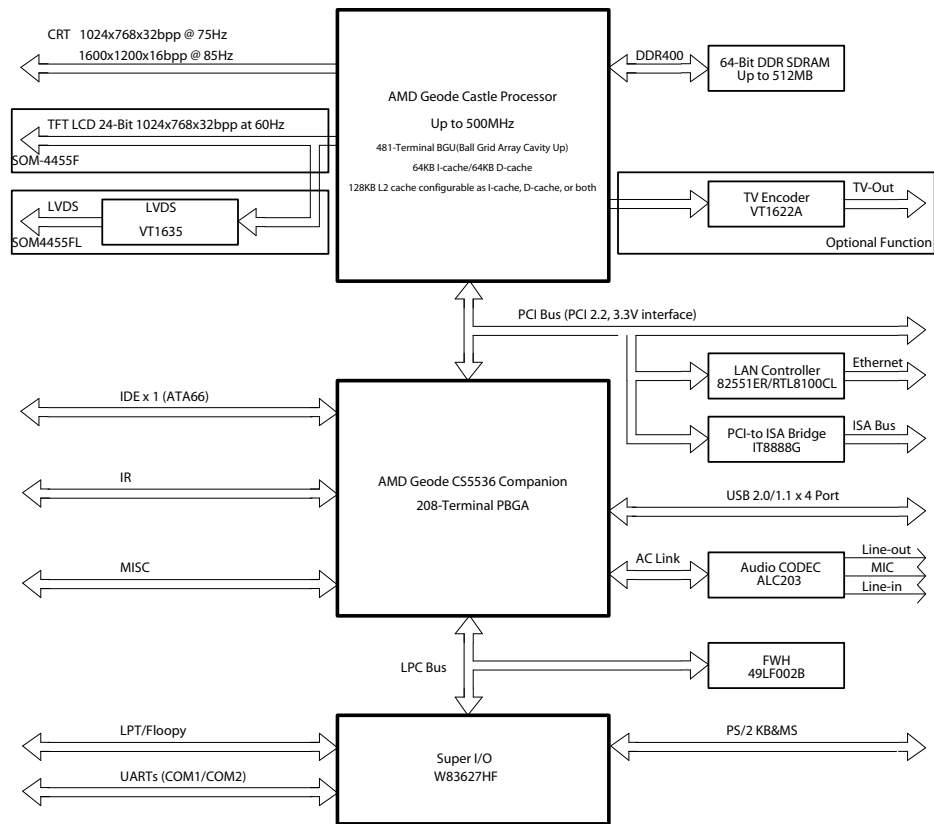
Display

- **Chipset** AMD Geode™ LX800/CS 5536
- **Memory Size** 1-4 MB UMA share memory
- **Resolution** CRT Mode: 1024x768 @ 22 bpp (85Hz)
1600x1200 @16 bpp (75Hz)
LCD/Simultaneous Mode: 1024 x 768 @ 16 bpp (60 Hz)
- **LCD Interface** 18-bit TFT panels up to XGA resolution
- **LVDS** 18-bit ANSI EIA/TIA-644 (SOM-4455FL-L0A1)
- **TV-Out** Supports both NTSC/PAL (Optional)

Mechanical and Environmental

- **Dimensions (L x W)** 95 x 114 mm (3.7" x 5.4")
- **Power Supply Voltage** +5 V ± 5%
- **Power Requirements** Max. : 5 V @ 3 A
Typical : 5 V @ 1.5 A
- **Operating Temperature** 0 ~ 60° C (32~140° F), fanless operation
- **Operating Humidity** 0% ~ 90% relative humidity, noncondensing

Board Diagram



Ordering Information

- **SOM-4455F-LOA1** AMD SOM-ETX Module w/LX800-500, VGA/LCD, Audio, LAN & TV-out
- **SOM-4455FL-LOA1** AMD SOM-ETX Module w/LX800-500, VGA/LVDS, Audio, LAN & TV-out
- **SOM-DB4400-00A2** SOM-ETX Development board Rev. A2