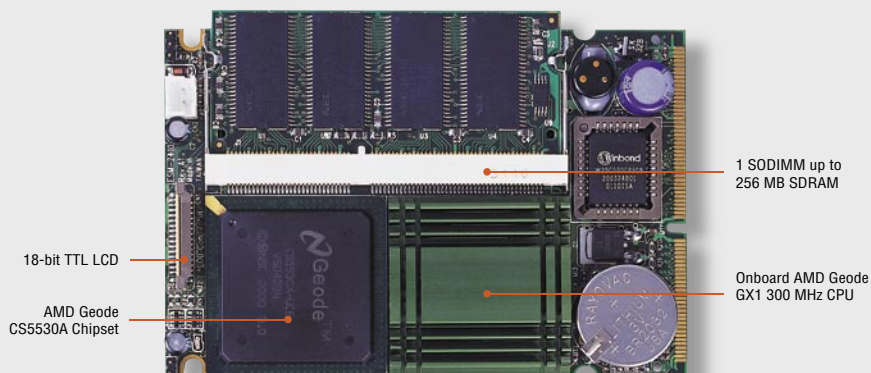




Features

- Onboard AMD Geode GX1 300 MHz CPU
- AMD Geode CS5530A Chipset
- 18-bit TFT
- AC97 Audio
- 2 COM, 2 USB 1.0
- Fanless Operation

Fanless

18-bit
TFT

Audio

2 COM

2 USB

Specifications

System

• Form Factor	2.5" HDD size
• CPU	AMD Geode GX1 300 MHz Note: Available in different CPU speeds by request
• BIOS	Award 256 KB Flash BIOS
• System Chipset	AMD Geode GX1/CS5530A
• I/O Chip	Winbond W83977F-A
• System Memory	One 144-pin SODIMM socket supports up to 256 MB SDRAM
• Watchdog Timer	Reset/IRQx; 16 sec.~127 min. and 30 sec./step
• Expansion	Three PCI Master bus

I/O

• MIO	2 x EIDE (Ultra DMA 33), 1 x FDD/LPT, 2 x TTL serial, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	2 x USB 1.0 ports

Display

• Chipset	AMD Geode GX1 with integrated 2D graphics engine
• Display Memory	1/2/4 MB frame buffer using system memory
• Resolution	CRT mode: 1280 x 1024 @ 8 bpp (60 Hz) LCD/Simultaneous mode: 1024 x 768 @ 16 bpp (60 Hz)
• VGA/LCD Interface	PCI bus VGA/LCD interface Supports 9/12/18-bit TFT panels

Audio

• Chipset	AMD Geode CS5530A
• AC97 Interface	Supports AC97 specification Rev. 1.3/2.0/2.1 and above
• Note	The AC97 Codec must have SRC (sample rate conversion) supported

Mechanical & Environmental

• Power Requirement	+5 V @ 1.5 A (with AMD Geode GX1 300 MHz & 128 MB SDRAM)
• Power Type	AT/ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, noncondensing
• Size (L x W)	3.9" x 2.7" (100 mm x 68 mm)
• Weight	0.22 lbs (0.1Kg)

Supported Baseboard

- **EAP-1431**
SOM-144 Application Platform for Firewall
- **EAP-1432**
SOM-144 Application Platform for Wireless Gateway
- **EEV-1401**
SOM-144 Evaluation Carrier Board

Ordering Information

- **ESM-2410**
AMD Geode GX1 300 MHz SOM-144 Module