



# ETM-LX800 ECM-1342

AMD Geode LX800 @ 0.9 W PC/104+ CPU Module  
STPC Atlas PC/104 CPU Module

## ETM-LX800



### Features

- Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 Cache CPU
- AMD Geode CS5536 Chipset
- One SODIMM up to 1 GB DDR SDRAM
- 18/24-bit TFT
- Realtek RTL8110S Gigabit LAN
- 1 PCI-104, 1 PC/104
- 2 COM, 4 USB 2.0

### System

• CPU	Onboard AMD Geode LX800 @ 0.9 W 500 MHz with 128K L2 Cache
• BIOS	Award 512 KB Flash BIOS
• Chipset	AMD Geode LX800/CS5536
• I/O Chip	Winbond W83627HG-AW
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR 266/333/400 SDRAM
• Watchdog Timer	Reset: 1 sec.-255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring CPU temperature, voltage
• Expansion	One PCI-104 connector, one PC/104 connector

### I/O

• MIO	1 x EIDE (ATA-5), 1 x LPT, 2 x RS-232, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 2.0 ports

### Display

• Chipset	AMD Geode LX800 with integrated graphics engine
• Display Memory	8/16/32/64/128/254 MB frame buffer using system memory
• LCD Interface	Supports 18/24-bit TFT panel

### Audio

• Chipset	AMD Geode CS5536
• AC97 Codec	Realtek ALC203 supports 2 CH Audio
• Audio Interface	Mic in, Lime in CD audio in Line out

### Ethernet

• LAN	Realtek RTL8110S
• Ethernet Interface	1000Base-Tx Fast Ethernet compatible

### Mechanical & Environmental

• Power Consumption	+5 V
• Power Type	AT
• Size (L x W)	3.8" x 4.5" (96 mm x 114 mm)
• Weight	0.44 lbs (0.2 Kg)

## Ordering Information

- **ETM-LX800**  
AMD Geode LX800 @ 0.9 W PC/104+ CPU Module with VGA, LAN, PCI-104, PC/104, 2 COM & 4 USB 2.0
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)

## ECM-1342



### Features

- Onboard STPC Atlas 133 MHz SoC
- STPC Atlas Chipset
- 32 MB SDRAM Onboard
- TFT & Realtek RTL8101L 10/100Mbps LAN
- 1 PC/104, Type I/II CF
- 2 COM, 2 USB 1.1, 16-bit GPIO
- Fanless Operation

### System

• CPU	Onboard STPC Atlas 133 MHz
• BIOS	Award 256 KB Flash BIOS
• Chipset	STPC Atlas / Winbond W83977G-A
• System Memory	32 MB SDRAM onboard
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 16 sec.-127 min. and 30 sec./step
• Expansion	One PC/104 connector

### I/O

• MIO	1 x EIDE (PIO mode 4), 2 x FDD, 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• DIO	16-bit General Purpose I/O for DI and DO
• USB	2 x USB 1.1 ports

### Display

• Chipset	STPC Atlas
• Display Memory	1/2/4 MB frame buffer using system memory
• LCD Interface	Supports 9/12/18-bit TFT panels

### Ethernet

• LAN	Realtek RTL8101L
• Ethernet Interface	100Base-Tx Fast Ethernet compatible

### Mechanical & Environmental

• Power Consumption	+5 V @ 1.9 A, +12 V @ 0.14 A (with STPC Atlas 133 MHz & 32 MB DDR SDRAM)
• Power Type	AT
• Size (L x W)	3.8" x 3.5" (96 mm x 90 mm)
• Weight	0.44 lbs (0.2 Kg)

## Ordering Information

- **ECM-1342**  
STPC Atlas 133 MHz PC/104 CPU Module with Heatsink, VGA, LCD, LAN, CF, PC/104, 2 COM, 2 USB 1.1 & GPIO
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- **ACC-MEM-064-01R**  
PC-133 144pin 64MB, 8M x 16