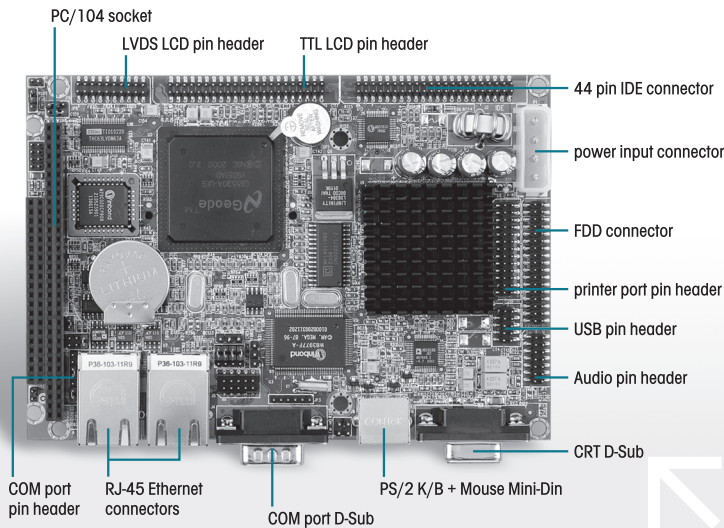


# GENE-4312

The Power That Solves

## AMD Geode™ GX1 Processor



### Features

- Onboard AMD Geode™ GX1 Processor
- 18-bit TTL TFT LCD
- Dual 10/100Mbps Fast Ethernet
- AC-97 high-quality Audio
- Supports PC/104 slot
- Supports Type II CompactFlash™ Memory
- 2 COM / 2 USB



### Specifications

System	
CPU	AMD Geode™ GX1 300MHz
System Memory	144-pin SDRAM SODIMM x 1, Max. 256MB (PC 66/100MHz)
Chipset	AMD Geode™ CS5530A
I/O Chipset	Winbond 83977EF
Ethernet	Realtek RTL8139C, 10/100Base-Tx RJ-45 connector x 2
BIOS	AWARD 256KB FLASH ROM
Watchdog Timer	Generate a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperatures monitoring
SSD	Type II CompactFlash slot x 1
Expansion Interface	PC/104 socket x 1
Battery	Lithium battery
Power Requirement	+5V. AT
Board Size	5.75"(L) x 4"(W) (146mm x 101.6mm)
Gross Weight	0.88lb(0.4kg)
Operating Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Display	
Supports LCD / CRT simultaneous display	
Chipset	AMD Geode™ CS5530A
Memory	Shared system memory up to 4MB
Resolutions	up to 1024x768@16bpp colors for CRT up to 1024x768@18bpp colors for LCD
LCD Interface	up to 18-bit TTL TFT LCD
TV-Out (optional)	Supports NTSC and PAL standard
I/O	
MIO	EIDE x 1 (UDMA33 x 1), FDD x 1, KB+Mouse x 1, RS-232 x 1, RS-232/422/485 x 1, Parallel x 1
IrDA	One IrDA Tx/Rx header
Audio	MIC In, Line In, Line Out
USB	One 5x2 pin header supports 2 USB1.1 ports

### Packing List

- 1701440500 IDE cable
- 1701340600 FDD cable
- 1701010302 Parallel + Serial port cable
- 1700080180 TV-Out & S-Terminal cable (GENE-4310T only)
- 1700060192 KB/Mouse cable
- 1700140510 Audio cable
- 1709100201 USB cable
- 1701200201 LVDS Cable (GENE-4310S/T only)
- 9657666600 Jumper cap
- Quick Installation Guide
- Utility CD
- GENE-4312

### Ordering Informations

- **GENE-4312-A11**  
SubCompact Board, GX1-300MHz, with LCD, Dual LAN, Audio, Rev.A1.1
- **GENE-4312S-A11**  
SubCompact Board, GX1-300MHz, with LCD, LVDS, Dual LAN, Audio, Rev.A1.1
- **GENE-4312T-A11**  
SubCompact Board, GX1-300MHz, with LCD, LVDS, Dual LAN, Audio, TV-Out, Rev.A1.1
- **GENE-4312-A11-Q01**  
SubCompact Board, GX1-300MHz, with LCD, Dual LAN, Audio, Rev.A1.1, XpressROM

### Accessory Options

- **OS-CE-400-4312**  
Windows CE .NET (Rev.4.0) SDK for GENE-4312, English Version
- **OS-CE-420-4312**  
Windows CE .NET (Rev.4.2) SDK for GENE-4312-A11-Q01, English Version
- **CFC-032**  
32MB CompactFlash Card, 3.3/5V, suggested for Windows CE .NET image