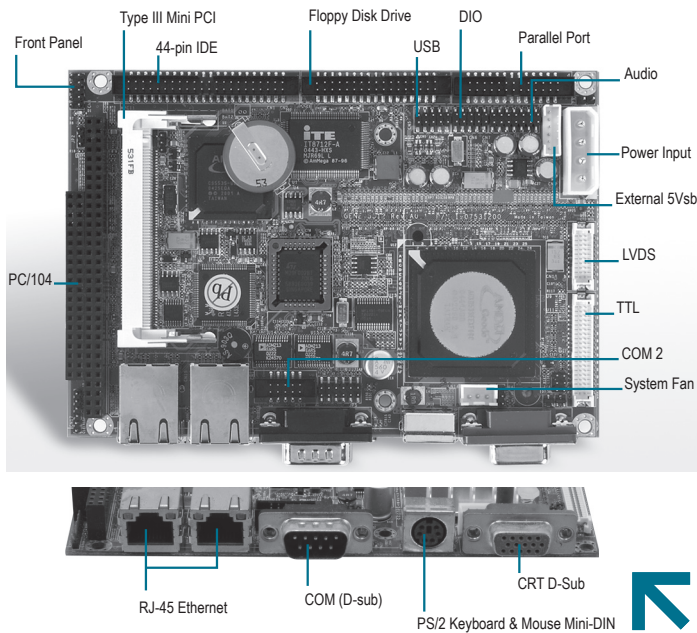


# GENE-5312

## 3.5" SubCompact Board with AMD Geode™ GX Series Processors



### Features

- Onboard AMD Geode™ GX 466/533 Series Processors
- AMD GX + CS5535
- SODIMM DDR 266 Max. 512MB
- 10/100Base-TX Ethernet x 2
- Up to 24-bit Single Channel TTL/ LVDS LCD, CRT
- AC97 Audio
- EIDE x 1, Floppy Disk Drive x 1, Type II CompactFlash™ x 1
- Type III Mini PCI & PC/104 Expansions
- COM x 2, USB x 2, 8-bit Digital I/O, Parallel x 1
- +5V Only Operation



### Packing List

- **9681531501**  
Cable Kit  
1701440500  
IDE Cable Length 30+20cm  
1709100201  
USB Cable  
1700060192  
Keyboard/Mouse Cable Length 19cm
- **9657666600**  
Jumper Cap
- **Quick Installation Guide**
- **Utility CD**
- **GENE-5312**

### Specifications

System	
Form Factor	3.5"
Processor	Onboard AMD Geode™ GX 466/533 Processor
System Memory	200-pin DDR SODIMM x 1, Max. 512MB (DDR 266)
Chipset	AMD Geode™ + CS5535
I/O Chipset	ITE IT8712
Ethernet	Realtek RTL 8100, 10/100Base-TX, RJ-45 connector x 2
BIOS	Award 256KB FLASH ROM
Wake On LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitoring	Supports power supply voltages and temperature monitoring
Expansion Interface	Mini PCI x 1, PC/104 x 1
Battery	Lithium battery
Power Requirement	5V, AT/ATX
Power Consumption (Typical)	GX533 400MHz, DDR333 512MB +5V@1.29A
Board Size	5.75" (L) x 4" (W) (146 mm x 101.6 mm)
Gross Weight	0.8 lb (0.4 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 (Hours)	80,000
Display	
Chipset	AMD Geode™ GX Integrated
Memory	Shared System Memory up to 16MB
Resolutions	Up to 1280x1024@24bpp colors for CRT Up to 1024x768@24bpp colors for LCD
LCD Interface	Up to 24-bit single channel TTL/LVDS TFT LCD
I/O	
Storage	EIDE x 1 (UDMA 33 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Parallel Port	SPP/ EPP/ ECP mode
USB	USB1.1 x 2
PS/2 Port	Keyboard + Mouse x 1
Digital I/O	Supports 8-bit (Programmable)
IrDA	One IrDA Tx/Rx header
Audio	Mic-in, Line-in, Line-out, CD-in

### Ordering Information

- **TF-GENE-5312-A21 (Fanless)**  
3.5" Board, GX533 400MHz, 18-bit LVDS, DDR, LAN, Audio, 2 COM, USB, CompactFlash™, PC/104, Mini PCI, AT/ATX, Rev.A2.1
- **TF-GENE-5312-A21-01 (Fanless)**  
3.5" Board, GX466 333MHz, 18-bit LVDS, DDR, LAN, Audio, 2 COM, USB, CompactFlash™, PC/104, Mini PCI, AT/ATX, Rev.A2.1
- **TF-GENE-5312-A21-02 (Fanless)**  
3.5" Board, GX533 400MHz, 24-bit LVDS, DDR, LAN, Audio, 2 COM, USB, CompactFlash™, PC/104, Mini PCI, AT/ATX, Rev.A2.1
- **TF-GENE-5312-A21-03 (Fanless)**  
3.5" Board, GX466 333MHz, 24-bit LVDS, DDR, LAN, Audio, 2 COM, USB, CompactFlash™, PC/104, Mini PCI, AT/ATX, Rev.A2.1

### Optional Accessories

- **TF-PCM-3660B**  
PC/104 Ethernet Module
- **TF-PER-C10L-A10**  
Mini PCI 10/100Base-TX Ethernet Module with Realtek 8100C
- **TF-PER-C10L-A10-01**  
Mini PCI 10/100/1000Base-TX Ethernet Module with Realtek 8110S
- **TF-PER-C10L-A10-02**  
Mini PCI 10/100Base-TX Ethernet Module with Intel® 82551QM
- **TF-PER-C10L-A10-03**  
Mini PCI 10/100/1000Base-TX Ethernet Module with Intel® 82541GI
- **TF-PER-C30F-A10**  
Mini PCI 3-port IEEE 1394a Module
- **TF-PER-V30C-A11**  
Mini PCI Single Channel Capture Module with Philips SAA7135
- **TF-PER-C40C-A10**  
Mini PCI 2-port RS-232 Module Rev. A1.0
- **TF-PER-C40C-A10-01**  
Mini PCI 4-port RS-232 Module Rev. A1.0
- **1700140510**  
Audio Cable
- **1709100201**  
USB Cable w/Bracket, Length 20cm
- **1701100206**  
COM Port Cable, 9P DB Male, Length 20cm
- **1701260201**  
Parallel Port Cable
- **1701340600**  
Floppy Cable