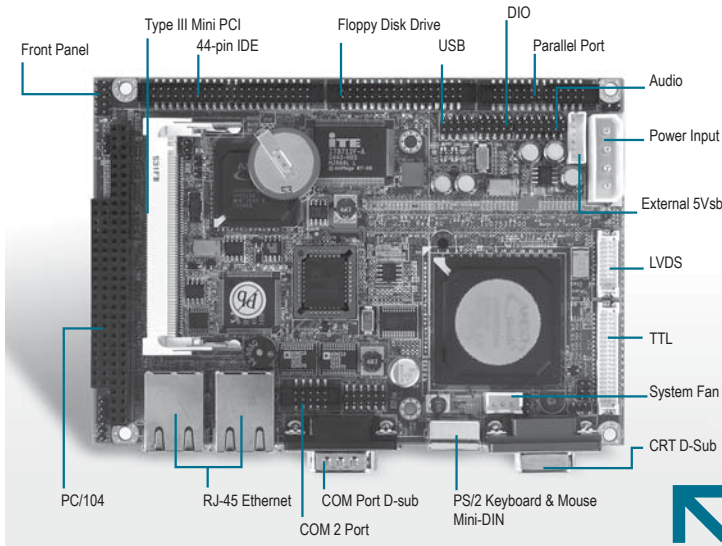


GENE-5312

AMD Geode™ GX Series Processors



Features

- Onboard AMD Geode™ GX 466/ 500 (Optional) 533 Series Processors
- SODIMM DDR 266 Max. 512MB
- Up to 24-bit Single Channel TTL/ LVDS, TFT LCD
- 10/100 Base-TX Ethernet
- IDE, Floppy Disk Drive & Type II CompactFlash™
- Type III Mini PCI & PC/104 Expansions
- COM x 2/ USB x 2/ 8-bit Digital I/O Port x 1
- +5V Only Operation



Specifications

| System | |
|-----------------------------|---|
| Form Factor | 3.5" |
| Processor | Onboard AMD Geode™ GX 466/500 (optional)/533 CPU |
| 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 Graphics |
| 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 (18/24-bit LVDS is configured by manufacturer) |
| I/O | |
| Storage | EIDE x 1 (UDMA 33), 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 |

Packing List

- 965766600
Jumper Cap
- Quick Installation Guide
- Utility CD
- GENE-5312

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 10/100 Base-TX Ethernet Module with Realtek 8110C
- **TF-PER-C10L-A10-01**
Mini PCI 10/100/1000 Base-TX Ethernet Module with Realtek 8110S
- **TF-PER-C10L-A10-02**
Mini PCI 10/100 Base-TX Ethernet Module with Intel® 82551QM
- **TF-PER-C10L-A10-03**
Mini PCI 10/100/1000 Base-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