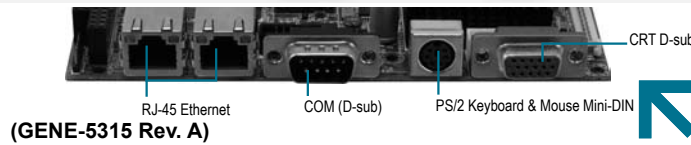
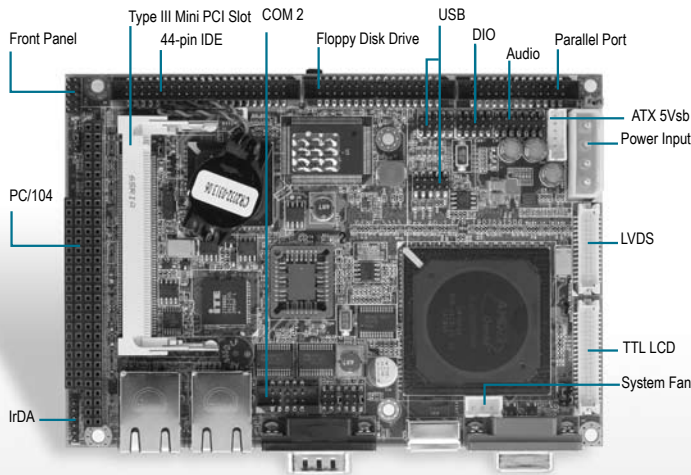


GENE-5315/ GENE-5315 Rev.B

3.5" SubCompact Board with AMD Geode™ LX Series Processors

03

SubCompact Boards



Specifications

System	
Form Factor	3.5"
Processor	Onboard AMD Geode™ LX800/ LX900 series processors
System Memory	200-pin DDR SODIMM x 1, Max 1GB for DDR333 and 512MB for DDR400
Chipset	AMD Geode™ LX + AMD C5536
I/O Chipset	ITE IT8712 + IT8888G
Ethernet	Realtek RTL8139DL, 10/100Base-TX, RJ-45 x 2
BIOS	Award 512KB 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 (For Rev. A)
Battery	Lithium battery
Power Requirement	+5V/ AT/ ATX
Power Consumption (Typical)	LX800 500MHz, DDR400 1GB +5V@1.17A
Board Size	5.75" (L) x 4" (W) (146mm x 101.6mm)
Gross Weight	0.88 lb (0.4 Kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) -4°F ~ 158°F (-20°C ~ 70°C) for WITAS 1
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	90,000
Display	Supports CRT/LCD Simultaneous display
Chipset	AMD Geode™ LX Integrated
Memory	Shared system memory up to 254MB
Resolutions	Up to 1920 x 1440 @ 24bpp for CRT Up to 1600 x 1200 @ 24bpp 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 (Rev.A)/ RS-232 x 4 & TTL UART x 1 (Rev.B), RS-232/422/485 x 1
Parallel Port	SPP/ EPP/ ECP mode
USB	USB2.0 x 4
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

Features

- Onboard AMD Geode™ LX 800/ LX 900 Processors
- AMD LX + CS5536
- SODIMM DDR333 Max. 1GB, DDR400 Max. 512MB
- 10/100Base-TX Ethernet x 2
- Up to 24-bit Single Channel LVDS/ TTL LCD & CRT
- AC97 Codec 2CH Audio
- EIDE x 1, Floppy Disk Drive x 1, CompactFlash™ x 1
- COM x 2 or x 5 (Rev.B Only), Parallel x 1, USB2.0 x 4, 8-bit Digital I/O
- Type III Mini PCI and PC/104 Expansions (Rev. A Only)
- +5V Only Operation



Packing list

- 9681531501**
Cable Kit for GENE-5315
1700060192 Keyboard & Mouse Cable
1709100201 USB Cable
1701440500 IDE Cable 3.5"
- 9657666600**
Jumper Cap
- Heatsink
- Quick Installation Guide
- Utility CD
- GENE-5315 or GENE-5315B

Ordering Information

- TF-GENE-5315-A11 (Fanless)**
3.5" Board, LX800 500MHz, 24-bit LVDS, DDR, LAN, Audio, 2 COM, USB2.0, CompactFlash™, Mini-PCI, PC/104, AT/ATX, Rev. A1.1
- TF-GENE-5315-A11-01 (Fanless)**
3.5" Board, LX800 500MHz, 18-bit LVDS, DDR, LAN, Audio, 2 COM, USB2.0, CompactFlash™, Mini-PCI, PC/104, AT/ATX, Rev. A1.1
- TF-GENE-5315-B10 (Fanless)**
3.5" Board, LX800 500MHz, 24-bit LVDS, DDR, LAN, 6 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev.B1.0
- TF-GENE-5315-B10-01 (Fanless)**
3.5" Board, LX800 500MHz, 18-bit LVDS, DDR, LAN, 6 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev.B1.0
- TF-GENE-5315W1-B10 (Fanless)**
3.5" Board, LX800 500MHz, 24-bit LVDS, DDR, LAN, 6 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev.B1.0, WITAS 1 (-20°C ~ 70°C)
- TF-GENE-5315W1-B10-01 (Fanless)**
3.5" Board, LX800 500MHz, 18-bit LVDS, DDR, LAN, 6 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev.B1.0, WITAS 1 (-20°C ~ 70°C)

Optional Accessories

- 1702200205**
Conversion Cable for ATX Power Supply (200 ± 10 mm)
- 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