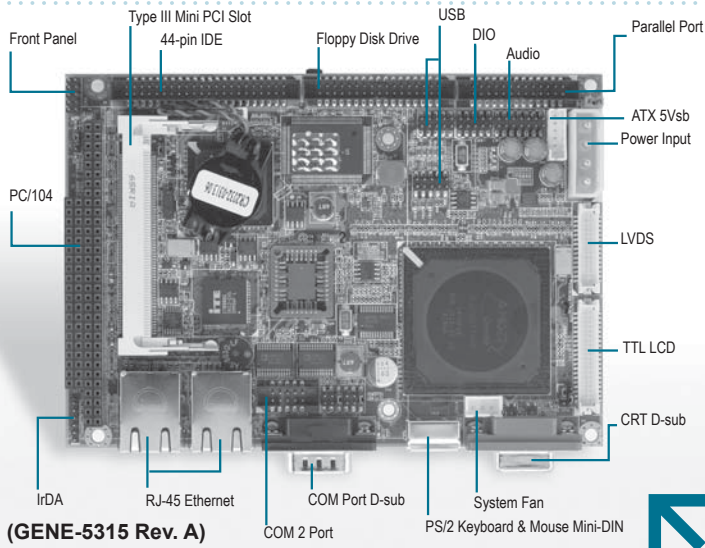


GENE-5315/ GENE-5315 Rev.B

AMD Geode™ LX Series Processors

03

SubCompact Boards



(GENE-5315 Rev. A)

Features

- Onboard AMD Geode™ LX 800/ LX 900 (LX700 Optional) Processor
- SODIMM DDR333 Max. 1GB, DDR400 Max. 512MB
- Up to 24-bit Single Channel LVDS TFT LCD
- Dual 10/100Base-TX Ethernet
- AC97 Codec 2 CH Audio
- IDE, Floppy Disk Drive & CompactFlash™ Slot
- Type III Mini PCI and PC/104 Expansions
- COM, Parallel x 1, USB2.0 x 4, 8-bit Digital I/O, IrDA
- +5V Only Operation



Specifications

System	
Form Factor	3.5"
Processor	Onboard AMD Geode™ LX800/ LX900 series processor (LX700 optional)
System Memory	200-pin DDR SODIMM x 1, Max 1GB for DDR333 and 512MB for DDR400
Chipset	AMD Geode™ LX + AMD CS5536
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)
Storage Temperature	-40°F~176°F (-40°C~80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	90,000
Display	
Chipset	AMD Geode™ + TI SN75LVDS83
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 (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 (Rev.A)/ RS-232 x 4 & RS-232 TTL only/GPS 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

Packing list

- **9681531501**
Cable Kit for GENE-5315
 - 1700060192 Keyboard & Mouse Cable
 - 1709100201 USB Cable
 - 1701440500 IDE Cable 3.5"
- **9657666600**
Jumper Cap
- 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

Optional Accessories

- **1702200205**
Conversion Cable for AT to ATX Power Supply (200 ± 10 mm)
- **TF-PCM-3660B**
PC/104 Ethernet Module
- **TF-PER-C10L-A10**
Mini PCI 10/100 Base-TX Ethernet Module with Realtek 8100C
- **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