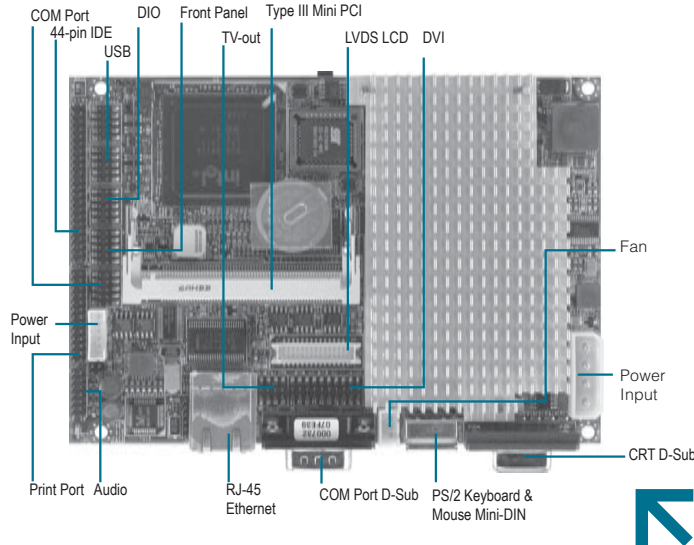


# GENE-8310

## Onboard Intel® Celeron® M/ ULV Intel® Celeron® M Processors at 600MHz, 1GHz and 1.5GHz



### Features

- Onboard Intel® Celeron® M 1.5GHz/ 1.3GHz/ ULV Intel® Celeron® M Processors at 600MHz & 1GHz
- SODIMM DDR266 Max. 1GB
- Up to 24-bit Dual-channel LVDS TFT LCD
- Multi-Display CRT/ TV-out/ LVDS/ DVI
- 10/100Base-TX Ethernet
- AC97 Codec 2 CH Audio
- Type II CompactFlash™
- COM x 2/ USB2.0 x 4/ 8-bit Digital I/O Ports
- +5V Only Operation



### Specifications

System	
Form Factor	3.5"
Processor	Onboard Intel® Celeron® M Processor 1.5GHz/1.3GHz/ ULV Intel® Celeron® M Processors at 600MHz 512 Cache & 1GHz 0 Cache
System Memory	200-pin DDR SODIMM x 1, Max. 1GB (DDR266)
Chipset	Intel® 852GM + ICH4
I/O Chipset	ITE IT8712
Ethernet	Intel® 82562, 10/100Base-TX, RJ-45 connector x 1
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, fan speed and temperature monitoring
Expansion Interface	Mini PCI x 1
Battery	Lithium battery
Power Requirement	+5V/ AT/ ATX
Power Consumption (Typical)	Celeron® M 1.5GHz, DDR333 1GB +5V@3.89A
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)	70,000
Display	
Supports CRT/ LCD, CRT/ TV, CRT/ DVI, LCD/ DVI and LCD/ TV Simultaneous/dual view displays	
Chipset	Intel® 852GM + Chronitel 7009
Memory	Shared system memory up to 64MB with DVMT
Resolutions	Up to 1600x1200@32bpp colors for CRT Up to 1280x1024@24bpp colors for LCD
LCD Interface	Up to 24-bit dual-channel LVDS (Emulated 24-bit Dual-channel)
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
DVI	DVI-D
I/O	
Storage	EIDE x 1 (UDMA 33), Type II CompactFlash™ x 1
Serial Port	RS-232 x 1, 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

- 1701440500  
IDE Cable
- 1700060192  
Keyboard/Mouse Cable
- 1709100201  
USB Cable
- 9657666600  
Jumper Cap
- Quick Installation Guide
- Utility CD
- GENE-8310

### Ordering Information

- **TF-GENE-8310-A12 (Fanless)**  
3.5" Board, ULV Celeron® M 600, LCD-DVI-TV, DDR, LAN, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.2
- **TF-GENE-8310-A12-01**  
3.5" Board, Celeron® M 1.3G, LCD-DVI-TV, DDR, LAN, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.2
- **TF-GENE-8310-A12-02 (Fanless)**  
3.5" Board, ULV Celeron® M 1.0G, LCD-DVI-TV, DDR, LAN, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.2
- **TF-GENE-8310-A12-03**  
3.5" Board, ULV Celeron® M 1.5G, LCD-DVI-TV, DDR, LAN, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.2

### Optional Accessories

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