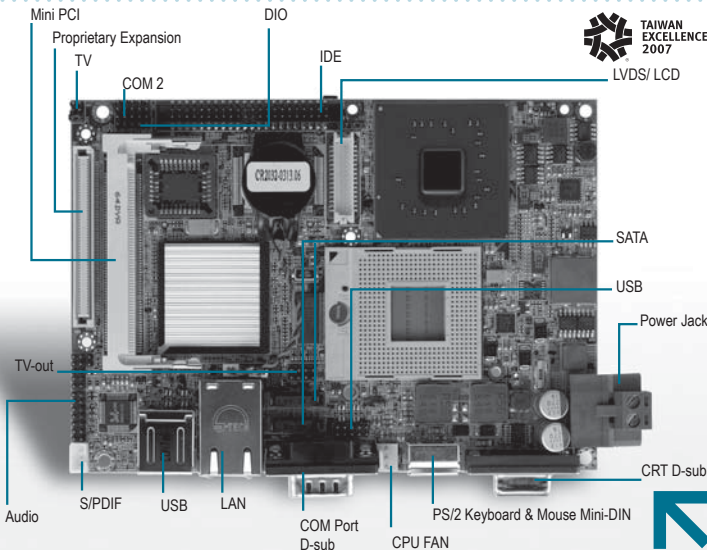


# GENE-9310

## Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (65nm) Processors

03

SubCompact Boards



### Features

- Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (65nm) Processors
- SODIMM DDRII 400/533/667 Max. 2GB
- Multi-Displays: CRT, TV-out & LVDS
- 18-bit Dual-channel LVDS TFT LCD Panel
- Gigabit LAN
- AC97 2.3 Codec 2.1 CH Audio
- IDE, SATA II & CompactFlash™ Slot
- Flexible Expansion: Mini-PCI Socket and Proprietary Expansion Connector
- 8-bit Digital I/O, USB x 4, COM x 2
- Optional Extension Board Supports:
  - 24-bit Dual-channel LVDS or DVI
  - USB x 1
  - SATA x 2 (Support RAID 0 & RAID 1) or PCI-E [x1] x 1
  - COM x 4
  - LPC x 1 & PCI x 1 Signals

### Specifications

System	
Form Factor	3.5"
Processor	Socket 478 or onboard Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (65nm) Processors up to 2.16GHz, FSB 533/ 667 MHz
System Memory	200-pin DDRII SODIMM x 1, Max. 2GB (DDRII 400/533/667)
Chipset	Intel® 945GM(E) + ICH7-M
I/O Chipset	ITE IT8712
Ethernet	Intel® 82573L, 10/100/1000Base-TX, RJ-45x1
BIOS	AWARD Plug & Play BIOS - 1MB 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, Proprietary Expansion connector x 1
Battery	Lithium battery
Power Requirement	+12V, AT/ATX
Power Consumption (Typical)	Core™ 2 Duo/ T7400 2.16GHz, DDRII 667 1GB +12V@3.89A
Board Size	5.75" (L) x 4" (W) (146 mm x 101.6 mm)
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	
Chipset	Intel® 945GM(E) Integrated Graphics
Memory	Shared system memory up to 224MB with DVMT3.0
Resolutions	Up to 2048 x 1536 @ 32bpp for CRT Up to 1280 x 1024 @ 36bpp for LCD
LCD Interface	18-bit dual-channel LVDS TFT LCD
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
I/O	
Storage	EIDE x 1 (UDMA 33), SATA II x 2, Type II CompactFlash™ x 1
Serial Port	RS-232 x 1, RS-232/422/485 x 1
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, S/PDIF in/out



### Packing List

- 9681931000  
Cable Kit for GENE-9310
- 9657666600  
Jumper Cap
- Quick Installation Guide
- Utility CD
- GENE-9310

### Ordering Information

- TF-GENE-9310-A10  
3.5" Board, Socket-478, LCD-TV, DDRII, GbE, Audio, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.0

### Optional Accessories

- 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
- TF-PER-T061-A10  
ECX Expansion Board, LVDS, SATA, COM, USB, Rev.A1.0
- TF-PER-T061-A10-01  
ECX Expansion Board, DVI, SATA, COM, USB, Rev.A1.0