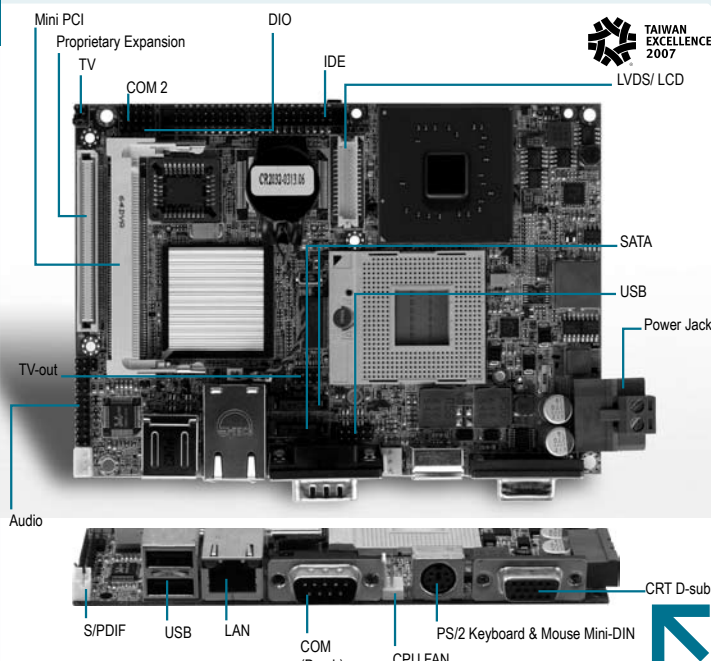


GENE-9310

3.5" SubCompact Board with Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M (65nm) Processors

03

SubCompact Boards



Features

- Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M (65nm) Processors
- Intel® 945GME + ICH7M
- SODIMM DDRII 400/533/667 Max. 2GB
- Gigabit Ethernet x 1
- CRT, TV-out, 18-bit Dual-channel LVDS LCD
- AC97 2.3 Codec 2CH Audio
- EIDE x 1, SATA II x 2, CompactFlash™ x 1
- 8-bit Digital I/O, USB x 4, COM x 2
- Flexible Expansion: Mini-PCI Socket and ECX Proprietary Expansion Connector
- +12V Only Operation
- 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/ Core™ Duo/ 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® 945GME + ICH7M
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, ECX 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	Supports CRT/LCD, CRT/TV, LCD/TV, simultaneous/ Dual view displays
Chipset	Intel® 945GME integrated
Memory	Shared system memory up to 224MB/ 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 for two devices), 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
 - 1701100206 COM Port Cable, 9P DB Male, Length 20cm
 - 1701440500 IDE Cable, Length 30+20cm
 - 1700060192 Keyboard/Mouse Cable, Length 19cm
 - 1709100201 USB Cable w/Bracket, Length 20cm
 - 1700080180 TV-Out Cable, Length 18cm
 - 1709070500 SATA Cable, Length 50cm
 - 1700140510 Audio Cable, Audio Jack, Length 51cm
 - 1709030150 SPDIF Cable, Length 15cm
- 9657666600**
 - Jumper Cap
- Cooler or Heatsink**
- Quick Installation Guide**
- Utility CD**
- GENE-9310**

Ordering Information

- TF-GENE-9310-A10-02**
3.5" Board, Socket-478, LCD-TV, DDRII, GbE, Audio, 2 COM, USB2.0, CompactFlash™, Mini-PCI, AT/ATX, Rev. A1.0
- TF-GENE-9310-A10-03 (Fanless)**
3.5" Board, ULV Celeron® M 1.06G, LCD-TV, DDRII, Gigabit Ethernet, Audio, 2COM, USB2.0, CompactFlash™, Mini-PCI, Rev.A1.0

Optional Accessories

- TF-PER-C10L-A10**
Mini PCI 10/100Base-TX Ethernet Module with Realtek 8100C
- TF-PER-C10L-A10-01**
Mini PCI 10/100/1000Base-TX Ethernet Module with Realtek 8110S
- TF-PER-C10L-A10-02**
Mini PCI 10/100Base-TX Ethernet Module with Intel® 82551QM
- TF-PER-C10L-A10-03**
Mini PCI 10/100/1000Base-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, 2SATA, 4COM, 1USB, Rev.A1.0
- TF-PER-T061-A10-01**
ECX Expansion Board, DVI, 2SATA, 4COM, 1USB, Rev.A1.0
- TF-PER-T099-A10**
ECX Extension Board, LVDS, PCI-Express, 2COM, Rev.A1.0
- TF-PER-T099-A10-01**
ECX Extension Board, LVDS, Mini Card, 2COM, Rev.A1.0
- TF-PER-T099-A10-02**
ECX Extension Board, DVI, PCI-Express, 2COM, Rev.A1.0
- TF-PER-T099-A10-03**
ECX Extension Board, DVI, Mini Card, 2COM, Rev.A1.0