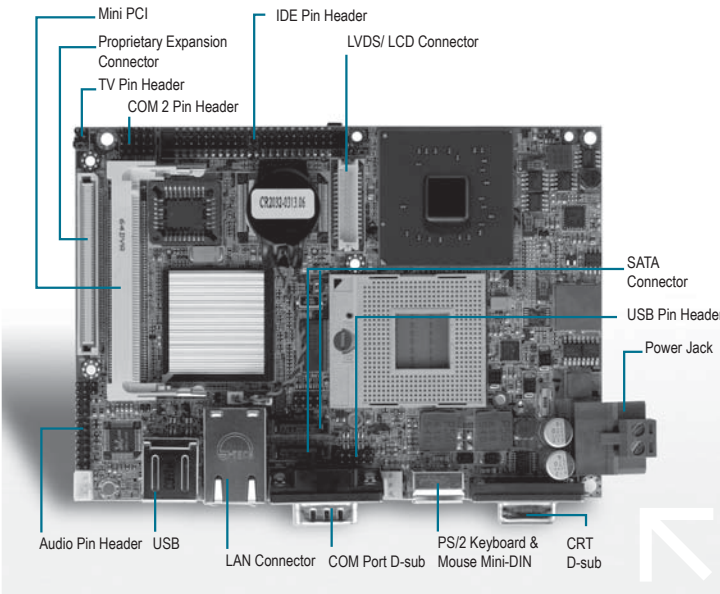


## Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors



### Features

- Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors
- Supports 36-bit Dual Channel LVDS TFT Panel
- Supports TV-Out
- Supports DDRII 400/533/667 SODIMM Memory up to 2GB
- 2CH AC97 2.3 Codec
- Supports Mini PCI and CompactFlash™ Type II slots
- Supports 8-bit Digital I/O, 4 USB, 2 COM
- Optional Extension Board Supports 24-bit LVDS or DVI, USB x 1, SATA x 2 (w/ RAID 0 & RAID 1 Functions) or PCI-Express 1 Lane x 1, COM x 4, PCI x 1, LPC x 1



### Specifications

System	
Form Factor	3.5"
Processor	Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors, FSB 533/ 667 MHz
System Memory	200-pin DDRII x 1, Max. 2GB (DDRII 400/533/667)
Chipset	Intel® 945GM + ICH7-M
I/O Chipset	ITE IT8712
Ethernet	Intel® 82573L, 10/100/1000Base-TX, RJ-45x1
BIOS	AWARD Plug & Play BIOS - 512KB 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
Solid Storage Disk	Type II CompactFlash™ slot x 1
Expansion Interface	Mini PCI x 1, Proprietary Expansion connector x 1
Battery	Lithium battery
Power Requirement	+12V, AT/ATX
Power Consumption (Typical)	Intel® Core Duo 2.16GHz & 1.66 GHz, DDR II 533 512MB ATX Power 1.66GHz: 2A@12V 2.16GHz: 1.97A@12V AT Power 1.66GHz: 2.01A@12V 2.16GHz: 1.98A@12V
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)	—
<b>Display</b>	Supports CRT/LCD, CRT/TV, LCD/TV, simultaneous/ Dual view displays
Chipset	Intel® 945GM
Memory	Shared system memory up to 128MB with DVMT3.0
Resolutions	Up to 2048 x 1536 @ 32bpp for CRT Up to 1280 x 1024 @ 36bpp for LCD
LCD Interface	36-bit Dual channel TTL / LVDS TFT LCD
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
<b>I/O</b>	
MIO	EIDE x 1 (UDMA-33 x 1), SATA-150 x 2, Keyboard+Mouse x 1, RS-232 x 1, RS-232/422/485 x 1
Audio	MIC-in, Line-in, Line-out, CD-in & S/P DIF in/out
USB	Four USB2.0 ports - two onboard and one 5 x 2 box header supports 2 USB ports
Digital I/O	Supports 8-bit (programmable)

### 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, CF, 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-A10  
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