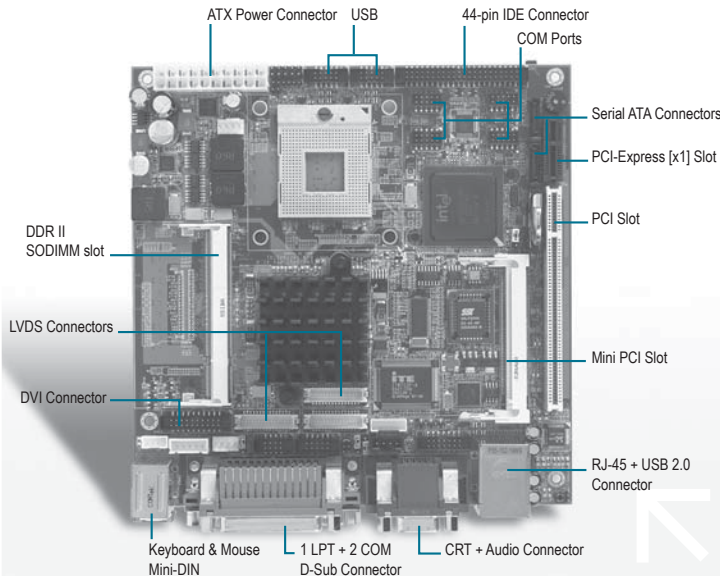


EMB-945T

Computing Platform Service Partner

Mini-ITX Board with Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors



Specifications

System	
Form Factor	Mini-ITX
Processor	Supports Socket 478 or onboard Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors up to 2.16GHz with FSB 533/667
System Memory	200-pin DDR II SODIMM x 2, Max. 4GB (DDR II 400/533/667)
Chipset	Intel® 945GM + ICH7M
I/O Chipset	ITE 8712 + Fintek F81216D
Ethernet	Marvell 88E8053 RJ-45 x 1
BIOS	AWARD Plug & Play BIOS – 512KB ROM
Wake On LAN	Yes
Watchdog Timer	ITE 8712
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, PCI x 1, PCI-E [x1] x 1
Power Requirement	ATX (+3.3V, +5V, +12V)
Power Consumption (Typical)	Intel® Core 2 Duo (T2500) 2.0 GHz, DDRII-533 1GB 2.34 A@+5V, 1.27 A@12V, 1.08 A @+3.3V
Board Size	6.7"(L) x 6.7"(W) (170 mm x 170 mm)
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)	75,249
Display	
Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV simultaneous display Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV dual view	
Chipset	Intel® 945GM
VGA/LCD Controller	1. Intel® 945GM Integrated VGA, shared memory up to 224MB with DVMT; LCD supports 18/36-bit LVDS 2. Chronel 7307 for DVI support 3. Chronel 7308 for 24/48-bit LVDS support
TV-out	Supports NTSC and PAL standard
I/O	
MIO	Six COM ports: (Four 5x2-pin headers, Two D-sub onboard) COM 1/ 3/ 4/ 5/ 6: RS-232, COM 2: RS-232/422/485 Provides +5V & +12V output options on COM 2 RI signals
IrDA	One IrDA Tx/Rx header
Audio	Realtek ALC655 CODEC MIC-in/ Line-In/ Line-out, S/P DIF in/out
ATA Interface	PATA-33 (44-Pin) x 1, SATA x 2
USB	USB 2.0 Port x 6, 5x2 pin header for Internal x 2, Type-A USB connector for External x 2
Parallel Port	Supports SPP/ EPP/ ECP mode
K/B and Mouse	Mini-DIN PS/2 Keyboard and Mouse connector x 1
Digital I/O	Supports 8-bit (programmable)

Features

- Supports Socket 478 or Onboard Intel® Core 2 Duo/ Core Duo/ Core Solo/ Celeron® M (Yonah) Processors
- Two SODIMM Slots Support DDR II 400/533/667 Memory up to 4GB
- Supports 18/24/36/48-bit LVDS Panel, Shared Memory up to 224MB with DVMT
- One PCI-E 10/100/1000 Base-TX Ethernet
- 6CH AC 97 Audio
- Supports Type II CompactFlash™
- PCI x 1, PCI-E [x1] x 1 and Mini PCI x 1
- Serial Port x 6, Parallel Port x 1, SATA x 2, ATA33 x 1, USB 2.0 x 6, Digital I/O
- LCD Inverter Connector with Brightness Control
- Supports Enhanced Intel® SpeedStep Technology



Packing List

- 1701440500**
44-pin ATA33 Cable
- 1700200200**
DVI Cable
- 1709100201**
USB Cable
- 1701100206**
Serial Port Cable
- 1700080180**
TV-out Cable
- M166666006**
Metal, A1, Heat Sink, Silver, 60 x 60 x 25.4mm, for socket 478
- 9657666600**
Jumper Cap
- 1709070500**
Serial ATA Cable
- 1702150150**
Serial ATA Power Cable
- Quick Installation Guide**
- Utility CD**
- EMB-945T**

Ordering Information

- TF-EMB-945T-A10**
Mini-ITX, Socket 478M, LCD-DVI-TV, DDRII, GbE, Audio, 6 COM, USB 2.0, CF, Mini PCI, PCI-E, 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-C20S-A10**
Mini PCI 2-port SATA Module Rev.A1.0
- 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
- TF-PER-1110-A10-01**
Riser Card for PCI, 2-slot
- TF-PER-C102**
PCI-Express Dual Ethernet Board