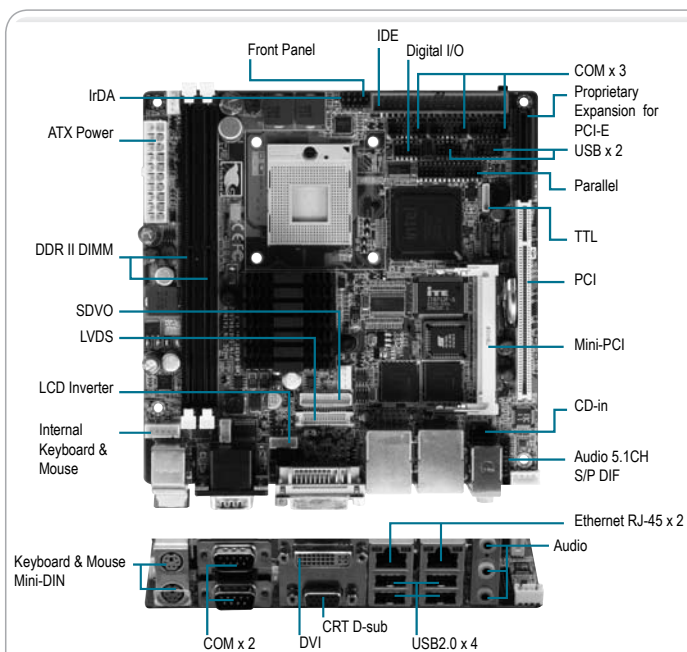


Embedded Motherboard With Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processors

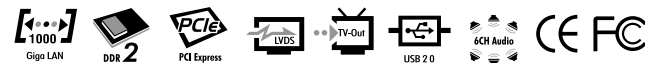


Specifications

System	
Form Factor	Mini-ITX
Processor	Socket-478M Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processors, FSB 533/667 MHz
System Memory	240-pin DIMM x 2, DDRII 400/533/667 up to 4 GB
Chipset	Intel® 945GME + ICH7M (-DH optional for RAID)
I/O Chipset	ICH7M (-DH optional for RAID) + IT8712F-KX
Ethernet	Intel® 82573L, 10/100/1000Base-TX, RJ-45x2
BIOS	Award Plug & Play BIOS – 1 MB ROM
Wake On LAN	Yes
Watchdog Timer	ITE8712
H/W Status Monitoring	Supports power supply voltages, fan speed and temperature monitoring
Expansion Interface	PCI x 1, Mini-PCI x 1, PCI-E [x1] x 2 (optional)
Power Requirement	ATX (+3.3V, +5V, +5VSB, +12V) or AT (+5V, +12V)
Power Consumption (Typical)	T7400 2.16 GHz, DDRII 667 2 GB 2.24A@+12V, 3.6A@+5V
Board Size	6.7" (L) x 6.7" (W) (170mm x 170mm)
Gross Weight	1.2lb (0.5KG)
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)	60,000
Display	
	Supports CRT/LCD, CRT/TV, LCD/TV, CRT/DVI & LCD/DVI simultaneous/ Dual view display
Chipset	Intel® 945GME
Memory	Shared system memory up to 224 MB w/DVMT3.0
Resolutions	Up to 2048 x 1536 @ 32bpp for CRT Up to 1280 x 1024 @ 36-bit for LCD
LCD Interface	18/24-bit dual-channel LVDS TFT LCD, 2nd 18/24-bit dual-channel LVDS through SDVO Card (TF-PER-V04B-A10)
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
DVI	DVI-I x 1, 2nd DVI through SDVO Card (TF-PER-V03B-A10)
TPM	Yes
I/O	
Storage	EIDE x 1 (UDMA 100 for one device), SATA x 2, Type II CompactFlash™ x 1
Serial Port	RS-232 x 4, TTL only x 1, RS-232/422/485 x 1, optional 6th RS-232
Parallel Port	SPP/ EPP/ ECP mode
USB	USB2.0 x 8
PS/2 Port	Keyboard x 1, 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, Stereo Amplifier included

Features

- Socket-478M Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processors
- Intel® 945GME + ICH7M (-DH Optional For RAID)
- DIMM DDRII 400/533/667, Up To 4 GB
- Gigabit Ethernet x 2
- 18/24-bit Dual-channel LVDS TFT LCD, CRT, DVI, TV-out, SDVO Connector x 1 For 2nd 18/24-bit Dual-channel LVDS/DVI
- HD 5.1CH Audio, Stereo Amplifier
- Type II CompactFlash™ x 1, SATA x 2 (Optional RAID 0 & RAID 1), EIDE x 1
- COM x 5, USB x 8, 8-bit Digital I/O x 1
- PCI x 1, Mini-PCI x 1, PCI-E [x1] x 2 (Through Riser Card)
- AT, ATX
- Optional TPM 1.2, Optional 6th RS-232



Packing List

- 1701400453 IDE Cable
- 9657666600 Jumper Cap
- 1709070500 Serial ATA Cable
- 1702150150 Serial ATA Power Cable
- M206908T00 Metal I/O Bracket
- Quick Installation Guide
- Utility CD
- EMB-9458T

Ordering Information

- TF-EMB-9458T-A10**
Mini-ITX, Socket-478M, DDRII, 2 Gigabit Ethernet, Audio, 6 COM, 8 USB, CompactFlash™, Mini-PCI, PCI-E, ATX, Rev. A1.0

Optional Accessories

- TF-PER-R16P-A10**
Riser Card, PCI + PCI-E [x4]
- TF-PER-C10L-A10**
Mini-PCI 10/100Base-TX Ethernet Module with Realtek 8100C
- TF-PER-C10L-A10-01**
Mini-PCI Gigabit 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 Gigabit 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-V03B-A10**
SDVO to DVI Module
- TF-PER-V04B-A10**
SDVO to LVDS 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-1110-A10**
Riser Card for PCI, 2-slot
- TF-PER-C102**
PCI-Express Dual Ethernet Board
- 1700200200**
DVI Cable
- M166666006**
Metal, A1, Heat sink, Silver, 60 x 60 x 25.4mm for socket 478
- 1759294520**
Cooler, Silver, 60 x 60 x 23, Dataguard
- TF-PER-K003**
Cable Kit for EMB-9458T
- TF-PER-V03B**
SDVO to DVI Module
- TF-PER-V04B**
SDVO to LVDS Module