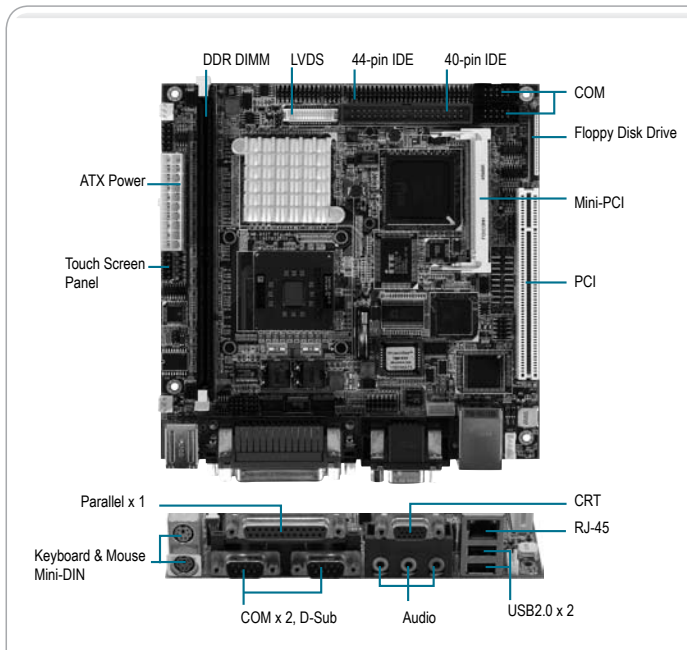


EMB-852T

■ Embedded Motherboard With Intel® Pentium® M/ Celeron® M Processors



Features

- Socket-478M Intel® Pentium® M/ Celeron® M Processors Up To 2.0 GHz
- Intel® 852GM + ICH4
- DDR 266 DIMM x 1, Up To 1 GB
- 10/100Base-TX Ethernet x 1
- CRT, DVI, TV-out, Up To 24-bit Dual-channel LVDS (Emulated)
- AC97 5.1CH Audio
- Type II CompactFlash™ x 1, EIDE x 1, Floppy Disk Drive x 1
- COM x 6, USB2.0 x 4, 8-bit Digital I/O x 1, Parallel x 1
- PCI x 1, Mini-PCI x 1, PCMCIA Type II Slot x 2
- +5V Only Operation, AT, ATX
- 4/5/8 Wire Resistive Touch Screen Panel (Optional)



Specifications

System	
Form Factor	Mini-ITX
Processor	Socket-478M Intel® Pentium® M/ Celeron® M processors, up to 2.0 GHz, FSB 400 MHz or onboard Intel® LV/ ULV Pentium® M/ Celeron® M processors
System Memory	184-pin DDR DIMM x 1, Max. 1 GB (DDR 333/400)
Chipset	Intel® 852GM + ICH4
I/O Chipset	ITE 8712 + Fintek F81216
Ethernet	Realtek 8100C, 10/100Base-TX Ethernet, RJ-45 x 1
BIOS	Award 512 KB FLASH 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, PCI x 1, PCMCIA x 2
Battery	Lithium battery
Power Requirement	+5V/ AT/ATX
Power Consumption (Typical)	Pentium® M 2.0 GHz, DDR 400 1 GB 6.68A@+5V
Board Size	6.7"(L) x 6.7"(W) (170 mm x 170 mm)
Gross Weight	1.1 lb (0.5 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, CRT/DVI, LCD/DVI and LCD/TV simultaneous/ dual view displays	
Chipset	Intel® 852GM
Memory	Shared memory up to 64 MB with DVMT
Resolutions	Up to 1280 x 1024 @ 32 bpp colors for CRT Up to 1280 x 1024 @ 24 bpp colors for LCD
LCD Interface	Up to 24-bit dual-channel LVDS (Emulated)
TV-out	Supports NTSC and PAL standard
I/O	
Storage	EIDE x 1 (UDMA 100 for two devices), Type II CompactFlash™ x 1, Floppy Disk Drive x 1
Serial Port	RS-232 x 5, RS-232/422/485 x 1
Parallel Port	SPP/ EPP/ ECP mode
USB	USB2.0 x 4
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, 5.1CH

Packing List

- 1759200157 CPU Cooler Fan + Heatsink (For Socket-478M Type Only)
- 1701400453 40-pin ATA100 Cable
- 1701440500 44-pin ATA33 Cable
- 1700200200 DVI Cable
- 1709100201 USB Cable
- 1700140164 Audio Cable
- 1701200203 Dual COM Cable
- 1701100206 Serial Port Cable
- 1700080180 TV-out Cable
- 9657666600 Jumper Cap
- M20852T000 Metal I/O Bracket
- Quick Installation Guide
- Utility CD
- EMB-852T

Ordering Information

- **TF-EMB-852T-A11 (Fanless)**
Mini-ITX, ULV Celeron® M 600 MHz, LCD-DVI, DDR, LAN, Audio, 6COM, 4USB2.0, CompactFlash™, Mini-PCI, ATX, Rev. A.1.1
- **TF-EMB-852T-A11-01 (Fanless)**
Mini-ITX, ULV Celeron® M 600 MHz, LCD-DVI, DDR, LAN, Audio, 6COM, 4USB2.0, CompactFlash™, Mini-PCI, PCMCIA, ATX, Rev.A1.1
- **TF-EMB-852T-A11-02**
Mini-ITX, Socket-478M, LCD-DVI-TV, DDR, LAN, Audio, 6COM, 4USB2.0, CompactFlash™, Mini-PCI, Touch Screen, ATX, Rev.A1.1
- **TF-EMB-852T-A11-04**
Mini-ITX, ULV Celeron® M 600 MHz, LCD-DVI-TV, DDR, LAN, Audio, 6COM, 4USB 2.0, CompactFlash™, Mini-PCI, Touch Screen, ATX, Rev.A1.1

Audio, 6COM, 4USB2.0, CompactFlash™, Mini-PCI, ATX, Rev.A1.1

Optional Accessories

- 1702200201 Conversion Cable for ATX to AT Power Supply
- **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-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