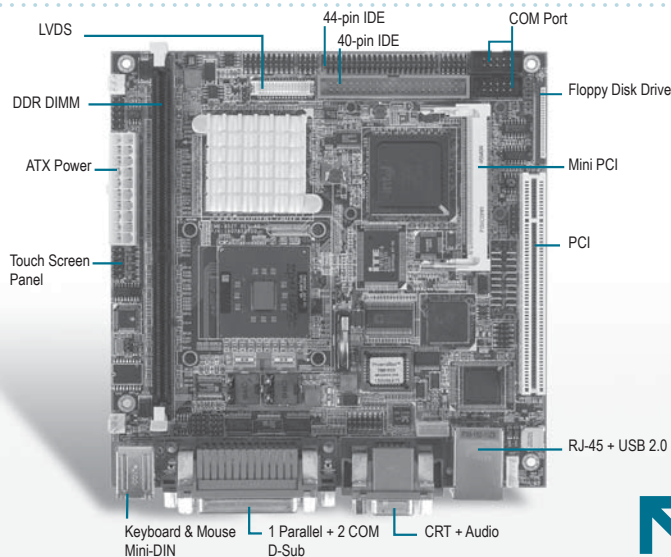


EMB-852T

Intel® Pentium® M/ Celeron® M Processors



Features

- Intel® Pentium® M/ Celeron® M Processors Up to 2.0GHz
- DDR 266 DIMM x 1, Up to 1GB
- CRT and DVI/ TV-out, Up to 24-bit Dual-channel LVDS (Emulated)
- 10/100Base-TX Ethernet
- AC97 3D Surround 5.1 Channel Audio
- Type II CompactFlash™
- PCI x 1/ Mini PCI x 1/ PCMCIA Type II Slot x 2
- COM x 6/ USB2.0 x 4/ Digital I/O Ports
- 4/5/8 Wire Resistive Touch Screen Panel (Optional)
- +5V Only Operation



Specifications

System	
Form Factor	Mini-ITX
Processor	Intel® Pentium® M/ Celeron® M processors, up to 2.0GHz with FSB 400MHz or onboard Intel® LV/ ULV Pentium® M/ Celeron® M processors
System Memory	184-pin DDR DIMM x 1, Max. 1GB (DDR 266)
Chipset	Intel® 852GM + ICH4
I/O Chipset	ITE 8712 + Fintek F81216
Ethernet	Realtek 8100C, 10/100Base-TX RJ-45 connector x 1
BIOS	AWARD 512KB 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 2.0GHz, DDRII 400 1GB +5V @ 6.68A
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 display Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/DVI and LCD/TV dual view
Chipset	Intel® 852GM
Memory	Shared memory up to 64MB 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), 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 478 Type Only)
- 1701400453 40-pin ATA100 Cable
- 1701440500 44-pin ATA33 Cable
- 1700200200 DVI Cable
- 1709100201 USB Cable
- 1700140164 Audio Cable
- 1701200203 Dual COM Port Cable
- 1701100206 Serial Port Cable
- 1700080180 TV-out Cable
- P90657B000 CompactFlash™ Cover
- 9657666600 Jumper Cap
- Quick Installation Guide
- Utility CD
- EMB-852T

Ordering Information

- **TF-EMB-852T-A11 (Fanless)**
Mini-ITX, ULV Celeron® M 600, LCD-DVI, DDR, LAN, Audio, 6COM, USB2.0, CompactFlash™, Mini PCI, ATX, Rev. A1.1
- **TF-EMB-852T-A11-01 (Fanless)**
Mini-ITX, ULV Celeron® M 600, LCD-DVI, DDR, LAN, Audio, 6COM, USB2.0, CompactFlash™, Mini PCI, PCMCIA, ATX, Rev.A1.1
- **TF-EMB-852T-A11-02**
Mini-ITX, Socket-478M, LCD-DVI-TV, DDR, LAN, Audio, 6COM, USB2.0, CompactFlash™, Mini PCI, ATX, Rev.A1.1
- **TF-EMB-852T-A11-03**
Mini-ITX, Socket-478M, LCD-DVI-TV, DDR, LAN, Audio, 6COM, USB2.0, Mini PCI, PCMCIA, ATX, Rev. A1.1

Optional Accessories

- 1702200201 Conversion Cable for ATX to AT Power Supply
- TF-PER-C10L-A10 Mini PCI 10/100 Base-TX Ethernet Module with Realtek 8100C
- TF-PER-C10L-A10-01 Mini PCI Gigabit Ethernet 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 Gigabit Ethernet 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