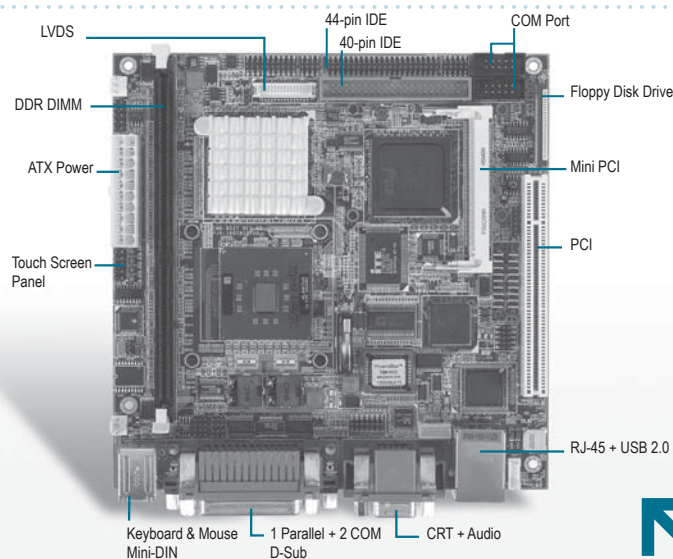


EMB-852T

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