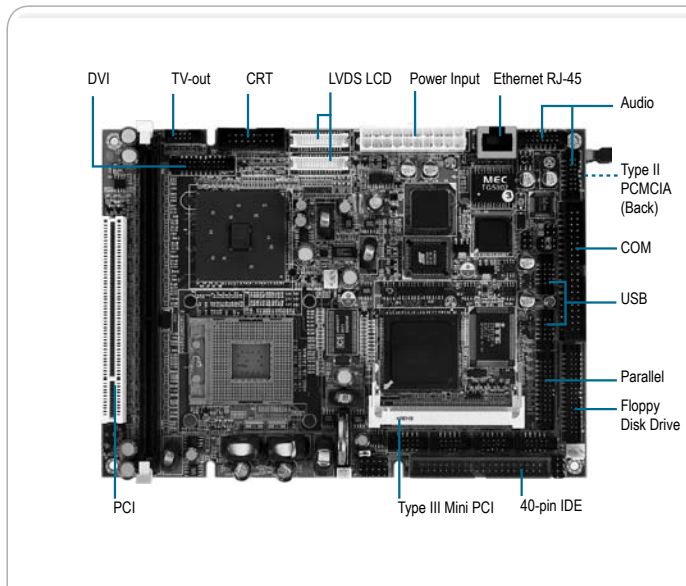


PCM-8150

■ Compact Board with Intel® Pentium® M/ Celeron® M Processors



Specifications

System	
Form Factor	5.25"
Processor	Socket-478M Intel® Pentium® M/ Celeron® M up to 1.80 GHz/ Onboard ULV Intel® Celeron® Processor at 600 MHz & 1 GHz with FSB 400 MHz
System Memory	184-pin DDR DIMM x 1, Max. 1 GB DDR266/333
Chipset	Intel® 852GM + ICH4
I/O Chipset	ITE IT8712
Ethernet	Intel® 82551, 10/100Base-TX, RJ-45 x 1 (Gigabit Ethernet optional)
BIOS	Award 512 KB FLASH ROM
Wake On LAN	Yes (Intel® 82551ER Does not support)
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 1.8 GHz, DDR 400 1 GB 0.31A@+12V, 6.7A@+5V
Board Size	8"(L) x 5.75"(W) (203mm x 146mm)
Gross Weight	1.2 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)	50,000
Display	
Chipset	Intel® 852GM + Chrontel 7009
Memory	Shared system memory up to 64 MB with DVMT
Resolutions	Up to 1600x1200@32bpp colors for CRT Up to 1280x1024@24bpp colors for LCD
LCD Interface	Up to 24-bit dual-channel LVDS (Emulated 24-bit dual-channel)
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
DVI	Yes
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 3, 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 16-bit (Programmable)
IrDA	One IrDA Tx/Rx header
Audio	Mic-in, Line-in, Line-out, CD-in, S/PDIF in/out, Stereo Amplifier included, 5.1CH

Features

- Intel® Socket-478M Pentium® M/ Celeron® M/ Onboard ULV Intel® Celeron® M Processors at 600 MHz and 1 GHz
- Intel® 852GM + ICH4
- DIMM DDR 266/333, up to 1 GB
- 10/100Base-TX Ethernet x 1 (Gigabit Ethernet Optional)
- Dual-channel LVDS, DVI and TV-out, (2nd LVDS Optional)
- AC97 5.1CH Audio, Stereo Amplifier
- Type II CompactFlash™ x 1, EIDE x 1, Floppy Disk Drive x 1
- USB2.0 x 4, COM x 4, 16-bit Digital I/O
- Mini-PCI, PCI and PCMCIA x 2
- +5V/ AT/ ATX



Packing List

- 9657666600 Jumper Cap
- 1759291500 CPU Cooler Fan + Heatsink (For Socket-478M Type Only)
- Quick Installation Guide
- Utility CD
- PCM-8150

Ordering Information

- **TF-PCM-8150-A21 (Fanless)**
5.25" Board, ULV Celeron® M 600 MHz, 512 K, LCD-DVI-TV, DDR, LAN, Audio, 4 COM, USB2.0, CompactFlash™, Mini-PCI & PCMCIA, Rev. A2.1
- **TF-PCM-8150-A21-01 (Fanless)**
5.25" Board, ULV Celeron® M 600 MHz, 512 K, LCD-DVI-TV, DDR, LAN, Audio, 4 COM, USB2.0, CompactFlash™, Mini-PCI, Rev. A2.1
- **TF-PCM-8150-A21-02**
5.25" Board, Socket-478M, LCD-DVI-TV, DDR, LAN, Audio, 4 COM, USB2.0, CompactFlash™, Mini-PCI & PCMCIA, Rev. A2.1
- **TF-PCM-8150-A21-03**
5.25" Board, Socket-478M, LCD-DVI-TV, DDR, LAN, Audio, 4 COM, USB2.0, CompactFlash™, Mini-PCI, Rev. A2.1
- **TF-PCM-8150-A21-04 (Fanless)**
5.25" Board, ULV Celeron® M 1.0 GHz, LCD-DVI-TV, DDR, LAN, Audio, 4 COM, USB2.0, CompactFlash™, Mini-PCI, Rev. A2.1

Optional Accessories

- **TF-PER-0103**
Cable Kit for PCM-8150/PCM-8152
- **TF-PER-C10L-A10**
Mini-PCI 10/100Base-TX Ethernet Module with Realtek 8100C
- **TF-PER-C10L-A10-01**
Mini-PCI 10/100/1000Base-TX 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 10/100/1000Base-TX Ethernet Module with Intel® 82541GI
- **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