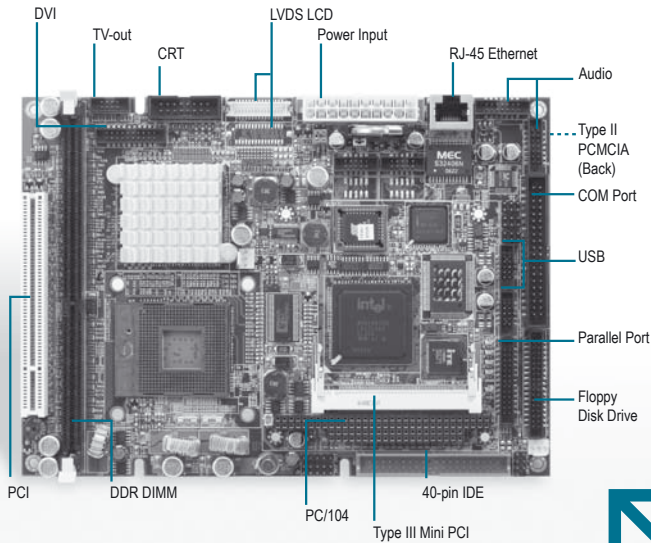


PCM-8152

Intel® Pentium® M/ Celeron® M Processors



Features

- **Socket 478 Intel® Pentium® M/ Celeron® M/ Onboard ULV Intel® Celeron® M Processors at 600MHz and 1GHz**
- **One DIMM DDR 266/333 up to 1GB**
- **Dual-channel LVDS, DVI and TV-out, (2nd LVDS Optional)**
- **One 10/100Base-TX Ethernet (Gigabit LAN Optional)**
- **AC97 3D Surround 5.1 Channel**
- **Mini-PCI, PCI and PC/104**
- **IDE, RS-232/422/485, Parallel Port**
- **USB2.0 x 4/ 16-bit Digital I/O/ IrDA x 1**



Specifications

System	
Form Factor	5.25"
Processor	Supports Intel® Pentium® M/ Celeron® M up to 1.8GHz/ Onboard ULV Intel® Celeron® M processors at 600MHz and 1 GHz, with FSB 400 MHz
System Memory	184-pin DDR DIMM x 1, max 1GB (DDR-266/333)
Chipset	Intel® 852GM + ICH4
I/O Chipset	ITE IT8712
Ethernet	Intel® 82551, 10/100Base-TX, RJ-45 x 1 (Gigabit LAN optional)
BIOS	AWARD 512KB 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, PC/104 x 1
Battery	Lithium battery
Power Requirement	+5V/ AT/ ATX
Power Consumption (Typical)	Intel® Pentium® M 1.8 GHz, DDR 400 1 GB +12V@0.18A, +5V@6.53A
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	
Supports CRT/LCD, CRT/TV, LCD/TV, CRT/DVI & LCD/DVI simultaneous/ Dual view display	
Chipset	Intel® 852GM + Chrontel 7009
Memory	Shared system memory up to 64MB with DVMT
Resolutions	Up to 1600x1200 @ 32bpp for CRT Up to 1280 x 1024 @ 24bpp for LCD
LCD Interface	Up to 24-bit dual-channel LVDS TFT LCD (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), 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 + 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

Packing List

- **9657666600**
Jumper Cap
- **1759200157**
CPU Cooler Fan + Heatsink (For Socket Type Only)
- **Quick Installation Guide**
- **Utility CD**
- **PCM-8152**

Ordering Information

- **TF-PCM-8152-A10 (Fanless)**
5.25" Board, ULV Celeron® M 600, 512K, LCD-DVI-TV, DDR, LAN, Audio, COM x 4, USB2.0, CompactFlash™, Mini-PCI, PCI & PC/104, Rev.A1.0
- **TF-PCM-8152-A10-01**
5.25" Board, Socket 478, LCD-DVI-TV, DDR, LAN, Audio, COM x 4, USB2.0, CompactFlash™, Mini-PCI, PCI & PC/104, Rev.A1.0
- **TF-PCM-8152-A10-02 (Fanless)**
5.25" Board, ULV Celeron® M 1.0G, LCD-DVI-TV, DDR, LAN, Audio, COM x 4, USB2.0, CompactFlash™, Mini-PCI, PCI & PC/104, Rev.A1.0

Optional Accessories

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