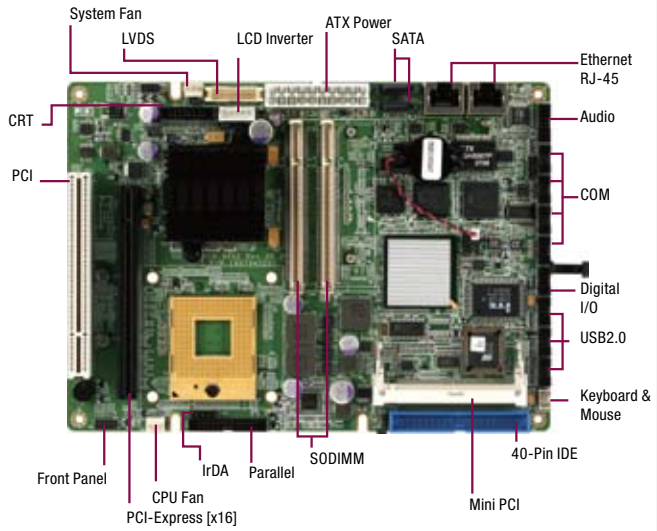
PCM-9452

Compact Board with Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processor



Features

- **Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M Processor**
- **Intel® 945GME + ICH7M**
- **SODIMM DDR2 400/533/667 Memory Up To 4 GB**
- **10/100Base-TX x 1 + Gigabit Ethernet x 1 (Optional Dual Gigabit Ethernet)**
- **18-bit Dual-channel LVDS, CRT**
- **AC97 5.1CH Audio, Stereo Amplifier**
- **EIDE x 1, Type 2 CompactFlash™ x 1, SATA 1.5Gb/s x 2 (Optional RAID 0 & RAID 1)**
- **USB2.0 x 6, COM x 4, 8-bit Digital I/O**
- **PCI-Express [x16] ,PCI x 1, Mini PCI x 1, PCMCIA x 1**
- **ATX**
- **Optional TPM 1.2**
- **SATA 1.5Gb/s x 2 Optional RAID 0 & 1**

Specifications

System	
Form Factor	5.25"
Processor	Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M processor, FSB 533/667 MHz
System Memory	200-pin SODIMM x 2, DDR2 400/533/667 up to 4 GB
Chipset	Intel® 945GME + ICH7M (DH optional for RAID)
I/O Chipset	ICH7M + ITE8712F-KX
Ethernet	Intel® 82573L, 10/100/1000Base-TX, RJ-45 x 2, 10/100Base-TX (optional)
BIOS	Award Plug & Play BIOS – 1 MB 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, PCI-Express [x1] or [x16] x 1
Battery	Lithium battery
Power Requirement	ATX
Power Consumption (Typical)	T7400 2.16 GHz, DDR2 667 2 GB 2.96A@+12V, 3.72A@+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)	60,000
Display	Supports CRT/LCD Dual view display
Chipset	Intel® 945GME
Memory	Shared system memory up to 224 MB w/DVMT3.0
Resolutions	Up to 2048x1536 @ 32bpp for CRT Up to 1280 x 1024 @ 36bpp for LCD
LCD Interface	18-bit dual-channel LVDS
TPM	Optional
I/O	
Storage	EIDE x 1 (UDMA 100 for one device), SATA 1.5Gb/s x 2, PCMCIA x 1, Type 2 CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel Port	SPP/EPP/ECP mode
USB	USB2.0 x 6
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, CD-in, Stereo Amplifier included

Packing List

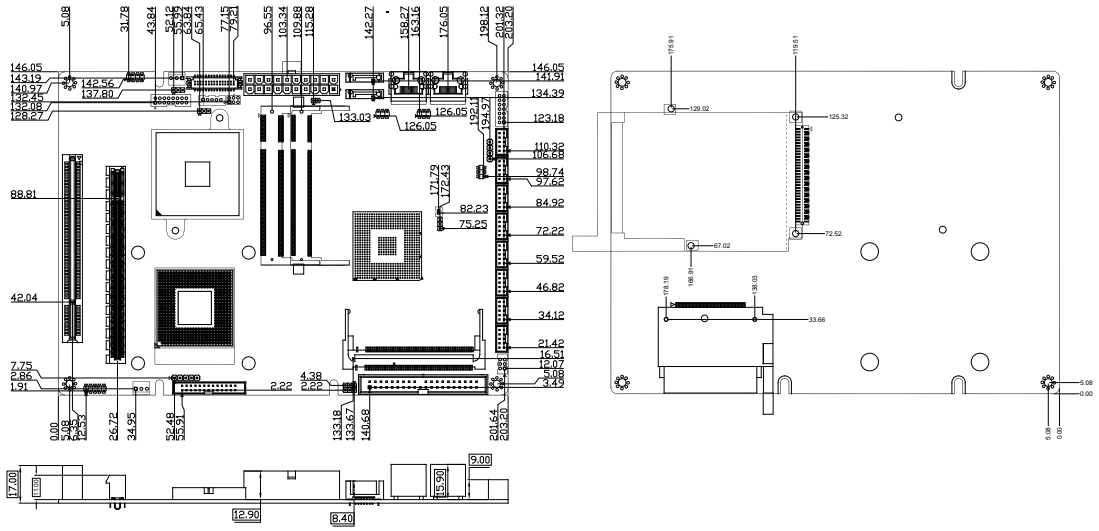
- **9657666600**
  Jumper Cap
- **1759294520**
  CPU Cooler Fan + Heatsink
- **Product CD**
- **PCM-9452**

Note: All specifications are subject to change without notice.

PCM-9452

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/ Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp
TF-PCM-9452-A10	Socket	FAN	CRT+LVDS	18b, 2CH	SATA x 2 IDE x 1 CompactFlash™ x 1	GbE x 1 FE x 1	6	3	1	Mini PCI x 1 PCI x 1 PCI-E [x16] x 1	ATX	0°C ~ 60°C

Optional Accessories

- **TF-PER-K001**
  Cable Kit for PCM-9452
- **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-C40C-B10**
  Mini PCI 2-port RS-232 Module Rev. B1.0
- **TF-PER-C40C-B10-01**
  Mini PCI 4-port RS-232 Module Rev.B1.0
- **TF-PER-1110-A10**
  Riser Card for PCI 2-slot
- **TF-PER-V05V-A11**
  Mini PCI VGA Card
- **1759294520**
  Cooler, Silver, 60mm x 60mm x 23mm, Dataguard