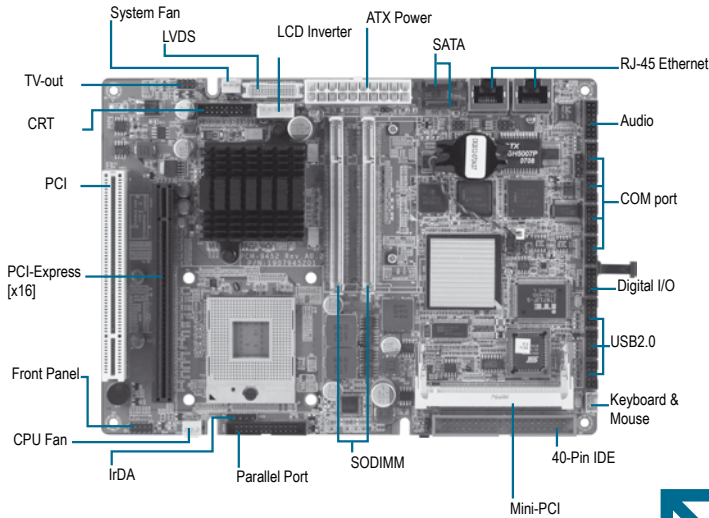


## Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Celeron® M (Yonah) Processors

01

Compact Boards



### Features

- Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Celeron® M (Yonah) Processors
- DDRII 400/533/667 SODIMM Memory Up to 4GB
- 18-bit Dual-channel LVDS TFT LCD, TV-Out
- Dual Gigabit Ethernet (Optional 10/100 LAN)
- Mic-in/ Line-in/ Line-out, Stereo Amplifier
- PCMCIA and CompactFlash™ Type II Slot, SATA x 2 (Optional RAID 0 & RAID 1)
- Digital I/O 8-bit, USB 2.0 x 6, COM x 4
- PCI-Express [x16], PCI x 1, Mini PCI x 1
- Optional TPM 1.2



### Specifications

System	
Form Factor	5.25"
Processor	Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Celeron® M (Yonah) Processors
System Memory	200-pin SODIMM x 2, DDRII 400/533/667 up to 4GB
Chipset	Intel® 945GM + ICH7M (DH optional for RAID)
I/O Chipset	ICH7M + ITE8712F-KX
Ethernet	Intel® 82573L, 10/100/1000Mbps, RJ-45 x 2, optional 10/100 LAN
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, DDR II 667 x 2 GB +12V@2.96A, +5V@3.72A
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, CRT/TV, LCD/TV, simultaneous/ Dual view display	
Chipset	Intel® 945GM
Memory	Shared system memory up to 224MB 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 TFT LCD
TV-out	Supports NTSC and PAL standard, S-Terminal and Composite Video
I/O	
Storage	EIDE x 1 (UDMA 100), SATA II x 2, PCMCIA x 1, Type II CompactFlash™ x 1
Serial Port	RS-232 x 3, RS-232/422/485 x 1
USB	USB2.0 x 6
PS/2 Port	Keyboard + 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
- Quick Installation Guide
- Utility CD
- PCM-9452

### Ordering Information

- TF-PCM-9452-A10  
5.25" board, Socket-478M, LVDS-TV, 10/100 & GbE, Audio, 4COM, 6USB, CompactFlash™, Mini-PCI, PCI-E [x16], PCMCIA, Rev.A1.0

### Optional Accessories

- TF-PER-K001  
Cable Kit for PCM-9452
- 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-A11  
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
- TF-PER-V05V-A10  
Mini PCI VGA Card
- TF-PER-K001  
Cable Kit for PCM-9452