



### Features

- Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (Yonah) Processors
- DDRII 400/533/667 Memory
- CRT/ 18-bit Dual-channel LVDS LCD/ TV
- Gigabit Ethernet
- High Definition Audio Interface
- +12V/+5Vsb Operating Voltage/ +3.3V for RTC
- COM Express Basic Module, Pin-out Type II



### Specifications

System	
Form Factor	COM Express basic module, Pin-out Type II
Processor	Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (Yonah) processors
System Memory	200-pin DDRII SODIMM x 1, Max. 2GB (DDRII 400/533/667)
Chipset	Intel® 945GME + ICH7-M
I/O Chipset	ICH7-M (ITE IT8712 on the carrier board)
Ethernet	Intel® 82573L, Gigabit Ethernet
BIOS	Award
Wake on LAN	Yes
Watchdog Timer	Fintek F75111
H/W Status Monitoring	Supports CPU temperature monitoring
Expansion Interface	PCI-Express [x16] x 1
	PCI-Express [x1] x 3
	32-bit PCI x 4
	LPC bus x 1
	SMBus x 1
Power Requirement	DC +12V/ +5Vsb operating voltage/ 3.3V for RTC
Power Consumption (Typical)	T7400 2.16GHz, DDR II 667 1GB +12V@2.84A, +5V@1.51A w/ TF-ECB-915A-A10-01
Board Size	4.92" (L) x 3.74" (W) (125 mm x 95 mm)
Gross Weight	0.66 lb (0.3 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)	100,000
Display	
	Supports CRT/LCD, CRT/TV, LCD/TV Dual Simultaneous/ Dual Independent Display
Chipset	Intel® 945GME integrated
Memory	Shared system memory up to 224MB
Resolutions	Up to 2048 x 1536 (QXGA) for CRT Up to 1600 x 1200 (UXGA) for LCD
LCD Interface	18-bit dual-channel LVDS
SDVO	Supports SDVO x 2 (Shared with PCI-Express [x16])
TV-Out	Intel® 945GME integrated, supports NTSC/PAL/HDTV HDTV supports: 480p/720p/1080i/1080p Supports Composite Video, S-Video, Component Video (YPbPr) on carrier board
I/O	
Storage	PATA x 1, SATA x 2
USB	USB 2.0 x 8
Audio	High definition audio

### Packing list

- Utility CD
- COM-945

### Ordering Information

- **TF-COM-945-A10**  
COM Express, Socket 478, DDR II, GbE, Audio, USB 2.0, Rev.A1.0

### Optional Accessories

- **TF-ECB-915A-A10-01**  
COM Express Carrier Board, for Dual GbE, Rev.A1.0
- **TF-PER-A016**  
CPU Cooler, for Socket-type CPU
- **TF-PER-A017**  
CPU Cooler, for Onboard CPU
- **TF-PER-A018**  
Heat Spreader Kit, for Socket-type CPU
- **TF-PER-A019**  
Heat Spreader Kit, for Onboard CPU
- **TF-PER-A021**  
Passive Heat-sink, for Socket-type CPU
- **TF-PER-A022**  
Passive Heat-sink, for Onboard CPU
- **TF-PER-A023**  
CPU Cooler, for Socket-type CPU, high TDP
- **TF-PER-A024**  
CPU Cooler, for Onboard CPU, high TDP