



### Features

- Intel® Core™ 2 Duo (Merom)/ Core™ Duo/ Core™ Solo/ Celeron® M (Yonah) Processors
- DDRII 400/533/667 Memory
- CRT/ Up to 24-bit Dual-channel LVDS LCD/ TV
- 10/100 Base-TX Ethernet
- AC97 Audio CODEC
- PCI-Express [x1] x 4
- SATA x 2
- SDVO Connector x 1
- +5V Operating Voltage
- XTX Form Factor



### Specifications

System	
Form Factor	XTX
Processor	Intel® (Socket 478-based) 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	ITE IT8712KX
Ethernet	Intel® EP82562ET, 10/100 Base-TX
BIOS	Award
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	PCI-Express [x1] x 4 32-bit PCI x 4 LPC bus x 1 SMBus x 1 I2C x 1
Power Requirement	+5V DC
Power Consumption (Typical)	C-M 440 1.86GHz, DDRII 667 512MB +12V @ 0.33A, +5V @ 4.84A W/ TF-ECB-910M-A10-01
Board Size	4.5" (L) x 3.74" (W) (114 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 from 945GME directly (TF-XTX-945-A10) Up to 24-bit dual-channel LVDS from Chronitel CH7308B (TF-XTX-945-A10-01)
SDVO Port	One SDVO port can be used through the SDVO connector
TV-Out	Intel® 945GME integrated, supports NTSC/ PAL/ HDTV HDTV supports: 480p/ 720p/ 1080i/1080p Supports Composite Video, S-Video on carrier board
I/O	
Storage	PATA x 1, SATA x 2
Serial Port	2
Parallel Port	1
USB	USB 2.0 x 6
PS/2 Port	Keyboard x 1, Mouse x 1
IrDA	One IrDA Tx/Rx header
Audio	Mic-in, Line-in, Line-out (X1), High definition audio (X2)

### Packing list

- Utility CD
- XTX-945

### Ordering Information

- **TF-XTX-945-A10**  
XTX Board, Socket 478, DDRII, LAN, Audio, 2COM, USB2.0, Rev.A1.0 (18-bit Dual-channel LVDS)
- **TF-XTX-945-A10-01**  
XTX Board, Socket 478, DDRII, LAN, Audio, 2COM, USB2.0, Rev.A1.0 (24-bit Dual-channel LVDS)

### Optional Accessories

- **TF-ECB-910M-A10-01**  
XTX Carrier Board, LAN, Audio, 4COM, USB, PCI-E, 2 SATA, TPM, AT/ ATX, Rev.A1.0 (For XTX-945)
- **TF-PER-A044**  
CPU Cooler, for Socket-type CPU, W/ 12V fan
- **TF-PER-A045**  
CPU Cooler, for Onboard CPU, W/ 12V fan
- **TF-PER-A046**  
Passive Heatsink, for Socket-type CPU
- **TF-PER-A047**  
Passive Heatsink, for Onboard CPU
- **TF-PER-A048**  
Heat Spreader Kit, for Socket-type CPU
- **TF-PER-A049**  
Heat Spreader Kit, for Onboard CPU
- **TF-PER-V05B-A10**  
SDVO to DVI Module
- **TF-PER-V06B-A10**  
SDVO to LVDS Module