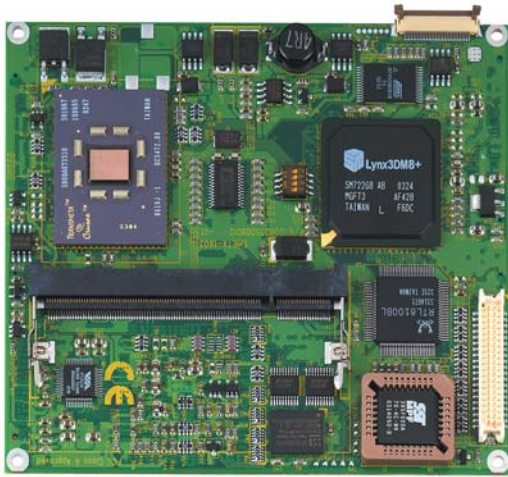


# EmETX-t603

## Transmeta Crusoe TM5800 ETX CPU Module with LCD / CRT / TV-out, Audio & LAN



### System

CPU	Transmeta Crusoe TM5800 733Mhz up to 1Ghz CPU FSB66Mhz
Cache	2nd level 512KByte
Memory	1 x 200Pin SO-DIMM up to 512MB DDR SDRAM
Chipset	Transmeta Crusoe TM5800 + VIA VT82686B
ATA / IDE	2 x Ultra DMA 100, support 4 IDE drives
BIOS	Phoenix - AWARD PnP Flash BIOS
Watchdog Timer	127-level Reset

### I/O

Serial Port	2 x TTL (16550 compatible), IrDA support
Parallel Port	SPP/EPP/ECP mode shared with floppy
Floppy	Floppy shared with parallel port can be implemented on the carrier board (2nd I/O) can be used as external USB Floppy
IrDA	1 x SIR IrDA 1.1 compliant
USB Port	4 x USB 1.1 compliant
KB/MS	1 x PS2 K/B and Mouse

### Ethernet

Chipset	Realtek 8100BL 10/100base-T
Interface	Built-in Boot ROM in Flash BIOS, support Boot from LAN

### Audio

Codec / Interface	VIA VT1612A AC97 Codec, support Mic-in / Line-in / Line-out
-------------------	--

### Display

Graphics Chipset	SMI722G8 Lynx3D+ Engine 8MB Video RAM on chip
Graphics Interface	CRT support up to 1280 x 1024 LCD support 18/24 bit LVDS up to 1280 x 1024 LCD support 18/24 bit TTL up to 1280 x 1024 TV-out support NTSC / PAL up to 640 x 480 Dual mode supports independent dual display

### Features

- ★ Transmeta Crusoe TM5800 733Mhz up to 1GHz CPU FSB66Mhz
- ★ DDR 266 SDRAM up to 512MB (SODIMM)
- ★ SMI722G8 3D video accelerator TTL, LVDS, CRT and TV-out support
- ★ Realtek RTL8100BL10/100base-T Ethernet
- ★ Support Unique Board ID# (2K EEPROM) for software based security and IP protection
- ★ DOC onboard (optional)
- ★ Support dual display



### Mechanical & Environmental

Power Consumption	EmETX-t603 / T800 5V / 1.9A (Max.)
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% @55°C
Dimension (L x W)	114 x 95 mm (4.5" x 3.7")
Weight	87 grams (0.19 lb)

### Ordering Information

EmETX-t603/T800	Transmeta Crusoe TM5800 800Mhz, ETX module	
EmETX-t603/T733 (optional)	Transmeta Crusoe TM5800 733Mhz, ETX module	
EmETX-t603/T933 (optional)	Transmeta Crusoe TM5800 933Mhz, ETX module	
EmETX-t603/T1000 (optional)	Transmeta Crusoe TM5800 1Ghz, ETX module	
PBE-1000	ATX form factor evaluation board	Page 1-8
Heat sink	HS-0603-W1	Page 5-4
	HS-0603-F1	Page 5-5
Memory Module	DDR SDRAM 64MB SO-DIMM 200Pin	
	DDR SDRAM 128MB SO-DIMM 200Pin	
	DDR SDRAM 256MB SO-DIMM 200Pin	
	DDR SDRAM 512MB SO-DIMM 200Pin	