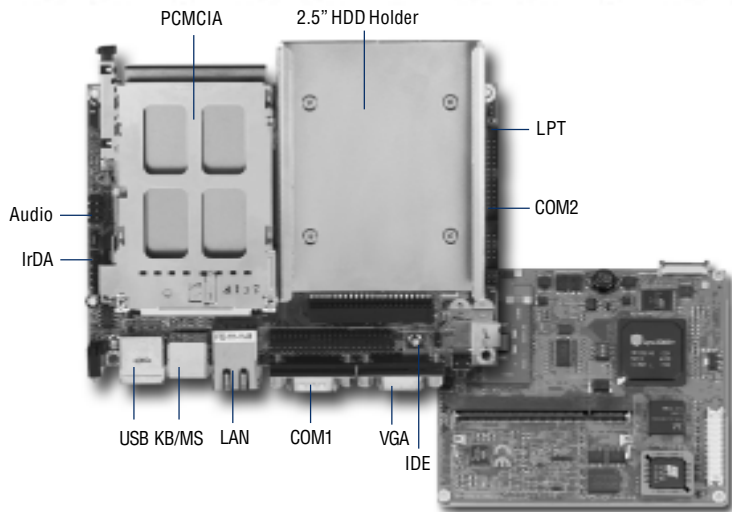


# EmCORE-t6032

Transmeta Crusoe 800MHz 3.5" Miniboard with VGA/LCD, LAN, USB, PCMCIA



## Features



- ★ Transmeta Crusoe 800 MHz (Fanless)
- ★ DDR SDRAM up to 512MB (SODIMM 200pin)
- ★ SMI722G8 3D Video Controller with TTL and CRT support
- ★ 10/100Mbps Ethernet, RTL 8100BL
- ★ Support Unique Board ID# (2K EEPROM) for software based security and IP protection
- ★ System Easy Upgrade

## Specifications

### System

- **CPU Type:** Transmeta Crusoe TM5800 800MHz (Fanless)
- **System Memory:** Up to 512MB DDR SDRAM on 200-pin SODIMM module
- **L2 Cache:** 512 KB integrated in CPU
- **Southbridge:** VT82C686B
- **Enhanced IDE:** 2 ports and up to 3 ATAPI devices, supports Ultra DMA transfer rates up to 33MB/sec
- **BIOS:** Award Flash BIOS AT Power and APM 1.2 power management
- **Watchdog Timer:** 127-level

### Multiple I/O

- **IDE Port:** 2 IDE ports, up to Ultra DMA33
- **Serial:** 1 high speed RS-232C port (COM1)  
1 high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **IrDA:** Supports SIR IrDA 1.1 compliant
- **USB:** 2 USB ports
- **K/B & Mouse:** One PS/2 keyboard and one PS/2 mouse
- **VGA:** One 15-pin D-sub VGA port

### PCMCIA

- **Chipset:** Ricoh R5C485II
- **Socket:** 1 slot

### LAN

- **Chipset:** 1 x Realtek 8100BL
- **Ethernet Interface:** 10/100Mbps

### Audio

- **Chipset:** VT82C686B integrated
- **Audio Controller:** AC'97 v2.2 (Soundblaster compatible)(VIA VT1612A) supports Micin, Line in, Line out

### DOC (Disk on Chip Millennium Plus)

- 32MB/64MB Onboard (by project Request)

### Display

- **Chipset:** SMI722G8 3D Video Controller with TTL and CRT support
- **Display Memory:** 8MB Video Memory
- **TTL:** Support 18/24 bit TFT panels

### Environment and Power Consumption

- **Power Requirement (+5V only)/1.69A (MAX)**
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Operative Humidity:** 0 ~ 90% relative humidity, non-condensing system

### Mechanical

- **Dimension (L x W):** 145 x 102 mm (5.7" x 4")

## Ordering Information

### Standard

#### EmCORE-t6032/T800

Transmeta Crusoe 800MHz 3.5" miniboard with VGA / LCD, Lan, COM, USB & PCMCIA

### Related Products

#### Cable Kit

6910413510010

#### HS-5005

2631160981300, slim type heatsink without fan

### SODIMM DDR Modules

256MB 5160256062000

512MB 5160512052000