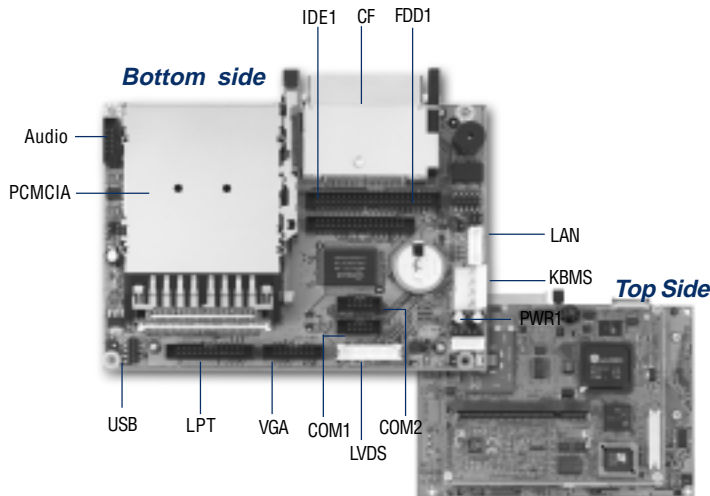


EmCORE-t6031

Transmeta Crusoe 800MHz miniboard w/VGA, LCD / LVDS, TV-out, Audio & LAN



Features



- ★ Transmeta Crusoe 800 MHz(Fanless)
- ★ DDR SDRAM up to 512MB (SODIMM 200 Pin)
- ★ SMI722G8 3D Video Controller with TTL, LVDS, CRT and TV-Out 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:** 1 port ATAPI devices, supports Ultra DMA transfer rates up to 33MB/sec
- **BIOS:** Award Flash BIOS AT Power APM 1.2 power management
- **Watchdog Timer:** 127-level

Multiple I/O

- **Serial:** 2 x high speed RS-232C port (COM1/2)
- **Parallel:** 1 x LPT, SPP, EPP and ECP mode
- **IrDA:** 1 x IrDA port, SIR IrDA 1.1 compliant
- **USB:** 2 USB v.1.1 ports
- **K/B & M/S:** 1 PS/2 keyboard and one PS/2 mouse
- **Enhanced IDE:** 1 x IDE port, up to ultra DMA 33MB/sec
- **Compact flash:** 1 x CF socket
- **PCMCIA:** Dual socket PCMCIA support

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, LVDS, CRT and TV-Out support
- **Display Memory:** 8MB Video Memory
- **LVDS:** 1 channel 110MHz (24-bit) TFT LCD
- **TTL:** Support 18/24 bit TFT panels
- **TV-out:** NTSC, PAL, NTSC-EIA (Japan), 640 x 480 resolutions

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 102mm (5.7" x 4")

Ordering Information

Standard

EmCORE-t6031/T800

Transmeta Crusoe 800MHz 3.5" miniboard with VGA/LCD/TV, COM, USB and PCMCIA x 2

Related Products

Cable Kit

6911113010010

HS-5005

2631160981300, slim type heatsink without fan

SO-DiMM DDR Modules

256MB 5160256062000

512MB 5160512052000