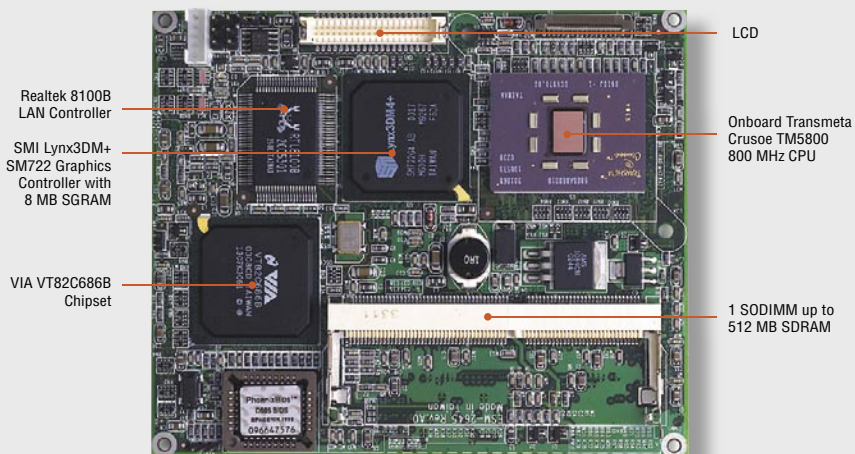




ESM-2645

Transmeta Crusoe TM5800 SOM-ETX Module



Features

- Onboard Transmeta Crusoe TM5800 800 MHz CPU
- Transmeta Crusoe TM5800 Chipset
- 24-bit TFT, 1 x 24-bit LVDS
- Supports Dual View
- AC97 Audio & TV-out
- Realtek RTL8100B or Optional Intel® 82559/82559ER 10/100Mbps LAN
- 2 COM, 4 USB 1.1
- Fanless Possible Operation

Fanless

Dual View

24-bit LVDS

TV-out

Specifications

System

• CPU	Onboard Transmeta Crusoe TM5800 800 MHz
• BIOS	Award 256 KB Flash BIOS
• System Chipset	Transmeta Crusoe TM5800/VT82C686B
• I/O Chip	VIA VT82C686B
• System Memory	One 144-pin SODIMM socket supports up to 512 MB SDRAM
• Watchdog Timer	Reset/IRQx; 2~255 sec. in 1 sec./step
• Expansion	Four PCI Master bus, ISA bus, SIRQ

I/O

• MIO	4 x EIDE (Ultra DMA 100), 1 x FDD/LPT, 2 x TTL serial, 1 x K/B, 1 x Mouse
• IrDA	115k bps, IrDA 1.0 compliant
• USB	4 x USB 1.1 ports

Display

• Chipset	SMI Lynx3DM+ SM722 with integrated 2D/3D graphics engine
• Display Memory	8 MB SGRAM frame buffer
• Resolution	CRT mode: 1280 x 1024 @ 24 bpp (60 Hz) LCD/Simultaneous mode: 1280 x 1024 @ 24 bpp (60 Hz)
• VGA/LCD Interface	PCI bus VGA/LCD interface Supports 9/12/18/24-bit TFT and 16/24-bit color DSTN panels
• LVDS Interface	SMI SM722 supports single-channel 24-bit LVDS panel
• TV-out	SMI SM722 intergrated TV encoder supports both NTSC/PAL (Selected with CRT out) Supports both S-video and composite video

Audio

• Chipset	VIA VT82C686B
• AC97 Codec	VT1612A
• Audio Interface	Mic in, Line in, CD Audio in, Line out

Ethernet

• Chipset	Realtek RTL8100B or optional Intel® 82559/82559ER
• Ethernet Interface	IEEE 802.3u 100Base-Tx Fast Ethernet compatible
• Remote Boot ROM	Optional built-in boot ROM in Flash BIOS

Mechanical & Environmental

• Power Requirement	+5 V @ 1.9 A (with Transmeta Crusoe TM5800 800 MHz & 128 MB SDRAM)
• Power Type	AT/ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, noncondensing
• Size (L x W)	4.5" x 3.7" (114 mm x 95 mm)
• Weight	0.22 lbs (0.1Kg)

Supported Baseboard

- EEV-EX01
SOM-ETX Module Evaluation Carrier Board
- EAP-EX61
Half-size PISA-bus SOM-ETX Carrier Board
- EAP-EX31
3.5" SOM-ETX Carrier Board
- EAP-EX51
5.25" SOM-ETX Carrier Board

Ordering Information

- ESM-2645F
Transmeta Crusoe TM5800 800 MHz SOM-ETX Module with CPU Cooler