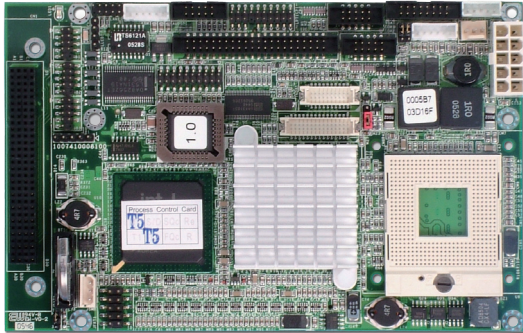




EmCORE-i741

3.5" Intel Pentium M Socket 478 Miniboard with PC/104 Plus, CRT, LCD, DVI, TV-out and LAN



Features

- Intel Socket 478 Pentium M/Celeron M Processor with 400MHz FSB
- Support DDR 200/266 up to 1GB DDR SDRAM
- **Support 18/36 bit LVDS, DVI, TV-out and CRT**
- Support Dual Display (Independent Display)
- Support 6 x High Speed USB 2.0 Ports
- Support CompactFlash Type I/II Socket up to 4GB
- **1 x PC/104 Plus Interface**
- **6 x RS-232 Serial Ports (Optional)**

System

CPU	Socket 478 for Intel Pentium M/Celeron M processor up to 1.8GHz FSB400MHz Onboard LV/ULV BGA type Pentium M/Celeron M processor
Cache	CPU on die
Memory	1 x 200-pin SO-DIMM up to 1GB DDR SDRAM
Chipset	Intel 852GM + Intel ICH4
BIOS	Phoenix-Award PnP Flash BIOS
ATA/IDE	1 x Ultra DMA 33, support 2 IDE drives
Flash Disk	1 x CompactFlash Type II Socket
Watchdog Timer	255-level Reset

I/O

Serial Port	2 x RS-232 ports (COM1, 2)
Parallel Port	SPP/EPP/ECP mode
Floppy	Support 1 Floppy disk drive share with parallel port
USB Port	6 x USB 2.0 compliant
KB/MS	1 x PS2 K/B and Mouse
Expansion Bus	1 x 32 bit PCI-based PC/104 Plus interface (support 4 PCI master)

Ethernet

Chipset	Intel 82562ET 10/100 base-T Ethernet Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec/Interface	Realtek ALC655 AC97 Codec, support Mic-in/Line-in/Line-out
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Display

Graphics Chipset	Intel 852GM Extreme Graphics2 Engine up to 64MByte UMA Video RAM
Graphics Interface	CRT support up to 2048 x 1536 LVDS support 18/36 bit up to 1600 x 1200 DVI support 12 bit up to 1280 x 1024 TV-out support NTSC/PAL up to 1024 x 768 Dual mode independent display

Mechanical & Environmental

Power Consumption	EmCORE-i741VL/1.7GHz 5V/5.62A (Max.) EmCORE-i741VL/CM600MHz 5V/2.86A (Max.)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimension (L x W)	161 x 102 mm (6.3" x 4")

Ordering Information

EmCORE-i741VL	3.5" Intel Pentium M socket 478 miniboard with CRT/LCD/DVI/LAN	
EmCORE-i741VL/CM600	3.5" Intel Ultra Low Voltage Celeron M 600MHz miniboard with CRT/LCD/DVI/LAN	
EmCORE-i741VL/CM1000 (Optional)	3.5" Intel Ultra Low Voltage Celeron M 1.0GHz miniboard with CRT/LCD/DVI/LAN	
Cable Kit	CBK-13-0761-00	Page 5-3
FCDB-1293	4 x COM, Digital I/O	Page 5-5
FCDB-1223	DVI Daughterboard	Page 5-5

All specifications are subject to change without notice.