

EmCORE-i741

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



Features

- Intel Pentium M Socket 478 CPU up to 2.0 GHz FSB400MHz
- Intel Ultra Low Voltage Celeron M 600MHz CPU onboard FSB400MHz
- Support DDR 200/266 up to 1GB DDR SDRAM
- Support Dual (Independent Display)
- Support 18/36 bit dual channel LVDS & DVI & CRT
- Support 6 high speed USB 2.0 ports
- Support Compact Flash Type I/II socket up to 4GB
- One PC/104 Plus interface
- 6 x RS-232 Serial Port (Optional)

System

CPU	Intel Pentium M Socket 478 CPU up to 2.0GHz FSB400MHz Intel Ultra Low Voltage Celeron M 600MHz CPU FSB400MHz
Optional	Intel Ultra Low Voltage Celeron M 1GHz CPU FSB400MHz Intel Low Voltage Pentium M 1.4GHz CPU FSB400MHz
Memory	1 x 200Pin 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 Type II Compact Flash Disk Socket
Watchdog Timer	255-level Reset

I/O

Serial Port	2 x RS-232 ports (COM1/2)
Parallel Port	SPP/EPP/ECP mode share with Floppy
Floppy	Support 1 floppy disk drive share with LPT
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

Ethernet

Chipset	Intel 82856ET 10/100 base-T Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec/Interface	Realtek ALC655A 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 CRT QXGA up to 2048 x 1536 LCD support 18/36bit LVDS UXGA up to 1600 x 1200 TV-out support NTSC/PAL up to 1024 x 768 DVI support 12bit up to 1280 x 1024 Dual Mode support independent dual 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 102mm

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 1GHz miniboard with CRT/LCD/DVI/LAN	
EmCORE-i741VL/ PM14000(optional)	3.5" Intel Ultra Low Voltage Pentium M 1.4GHz miniboard with CRT/LCD/DVI/LAN	
Cable Kit	CBK-13-0761-00	Page 5-2
Memory Module	DDR SDRAM 128MB SO-DIMM 200Pin DDR SDRAM 256MB SO-DIMM 200Pin DDR SDRAM 512MB SO-DIMM 200Pin DDR SDRAM 1GB SO-DIMM 200Pin	
FCDB-1293	4xCOM, Digital I/O	Page 5-7
FCDB-1223	DVI Daughter Board	Page 5-6