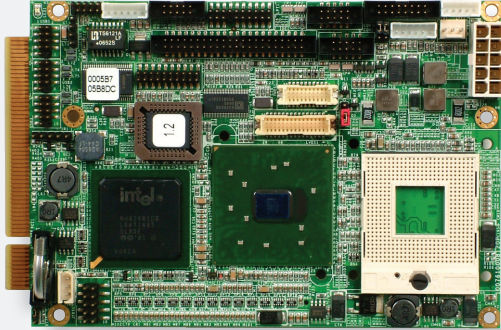


# EmCORE-i761

3.5" Intel Pentium M Socket 478 Miniboard with PCI, 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 PCI Interface to support 4 PCI Master**
- **6 x RS-232 Serial Ports (Optional)**

## System

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

## I/O

<b>Serial Port</b>	2 x RS-232 ports (COM1, 2)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>Floppy Disk</b>	Support 1 Floppy disk drive share with parallel port
<b>USB Port</b>	6 x USB 2.0 compliant
<b>KB/MS</b>	1 x PS2 K/B and Mouse
<b>Digital I/O</b>	8 bit Digital I/O
<b>Expansion Bus</b>	1 x 32 bit/33MHz PCI interface (support 4 PCI master)

## Ethernet

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

<b>Codec/Interface</b>	Realtek ALC655 AC97 Codec, support Mic-in/Line-in/Line-out
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## Display

<b>Graphics Chipset</b>	Intel 852GM Extreme Graphics2 Engine up to 64MByte UMA Video RAM
<b>Graphics Interface</b>	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

<b>Power Consumption</b>	EmCORE-i761VL/PM 1.7GHz 5V/5.62A (Max.) EmCORE-i761VL/CM 600MHz 5V/2.86A (Max.)
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	0 ~ 95% (non-condensing)
<b>Dimension (L x W)</b>	146 x 102 mm (5.7" x 4")

## Ordering Information

<b>EmCORE-i761VL</b>	3.5" Intel Pentium M socket 478 miniboard with CRT/LCD/DVI/LAN	
<b>EmCORE-i761VL/CM600</b>	3.5" Intel Ultra Low Voltage Celeron M 600MHz miniboard with CRT/LCD/DVI/LAN	
<b>EmCORE-i761VL/CM1000 (Optional)</b>	3.5" Intel Ultra Low Voltage Celeron M 1.0GHz miniboard with CRT/LCD/DVI/LAN	
<b>Cable Kit</b>	CBK-13-0761-00	Page 5-3
<b>FCDB-1293</b>	4 x COM, Digital I/O	Page 5-5
<b>FCDB-1223</b>	DVI Daughterboard	Page 5-5