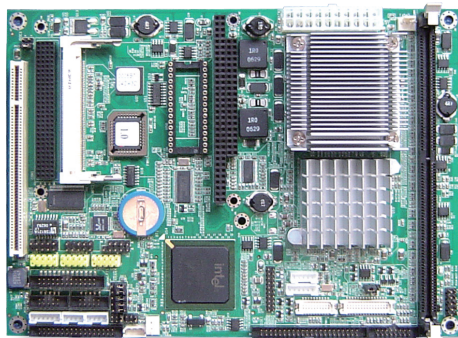


# EmCORE-i8520

5.25" Intel Pentium M/Celeron M Miniboard with CRT, LCD, DVI, TV-out, LAN, Audio, PC/104 & PC/104 Plus and DOC Socket



◀ **New!!**

## Features

- Intel Pentium M/Celeron M Processor up to 1.8GHz 400MHz FSB
- Support DDR 200/266 up to 1GB DDR SDRAM
- Support 18/36 bit LVDS, CRT, TV-out and DVI
- Support Dual Display (Independent Display)
- Support 6 x High Speed USB 2.0 Ports
- Support CompactFlash Type I/II Socket up to 4GB
- Support PCI, DOC, PC/104 & PC/104 Plus and Mini-PCI (Optional)
- **6 x RS-232 Serial Ports (Optional)**

## System

<b>CPU</b>	µFC-PGA Pentium M/Celeron M Processor up to 1.8GHz FSB400MHz
<b>Memory</b>	1 x 184-pin 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 DMA33 support 2 IDE drives
<b>Flash Disk</b>	<b>1 x CompactFlash Type II Socket, 1 x DOC Socket</b>
<b>Watchdog Timer</b>	255-level Reset

## I/O

<b>Serial Port</b>	COM1, 2: RS-232/422/485 Selectable COM3, 4, 5, 6: RS-232 (by Daughterboard FCDB-1293) (optional)
<b>Parallel Port</b>	SPP/EPP/ECP mode
<b>Floppy</b>	Support 2 Floppy disk drives
<b>IrDA</b>	1 x SIR IrDA 1.1 compliant
<b>USB</b>	6 x USB 2.0 compliant
<b>KB/MS</b>	1 x PS2 K/B and Mouse
<b>Expansion Bus</b>	1 x PCI interface 1 x 16 bit ISA-based PC/104 interface 1 x 32 bit PCI-based PC/104 Plus interface 1 x Mini-PCI Socket (optional)

## Ethernet

<b>Chipset</b>	Intel 82562ET/EZ 10/100 base-T Ethernet
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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 Graphics Engine up to 64MByte UMA Video RAM
<b>Graphics Interface</b>	CRT support up to 2048 x 1536/85Hz 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-i8520VL/1.7GHz 5V/5.62A (Typical) EmCORE-i8520VL/CM600MHz 5V/2.86A (Typical)
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<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	0 ~ 95% (non-condensing)
<b>Dimension (L x W)</b>	203 x 146 mm (8" x 5.75")

## Ordering Information

<b>EmCORE-i8520VL</b>	5.25" Intel µFC-PGA Pentium M/Celeron M miniboard with CRT/LCD/DVI/TV-out, LAN, PC/104 Plus and DOC Socket	
<b>EmCORE-i8520VL/CM600</b>	Same as above with onboard Celeron M 600MHz processor	
<b>Cable Kit</b>	CBK-12-8520-00	Page 5-2
<b>FCDB-1293</b>	4 x COM, Digital I/O	Page 5-5
<b>FCDB-1223</b>	DVI Daughterboard	Page 5-5