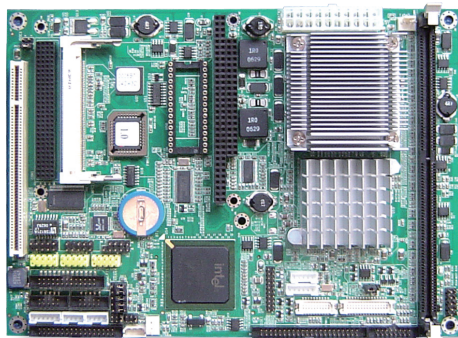


# EmCORE-i8520

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<br>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<br>1 x 16 bit ISA-based PC/104 interface<br>1 x 32 bit PCI-based PC/104 Plus interface<br>1 x Mini-PCI Socket (optional) |

## Ethernet

|                |   |
|----------------|---|
| <b>Chipset</b> | Intel 82562ET/EZ 10/100 base-T Ethernet |
|----------------|---|

## Audio

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

## 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<br>LVDS support 18/36 bit up to 1600 x 1200<br>DVI support 12 bit up to 1280 x 1024<br>TV-out support NTSC/PAL up to 1024 x 768<br>Dual mode independent display |

## Mechanical & Environmental

|                          |  |
|--------------------------|--|
| <b>Power Consumption</b> | EmCORE-i8520VL/1.7GHz 5V/5.62A (Typical)<br>EmCORE-i8520VL/CM600MHz 5V/2.86A (Typical) |
|--------------------------|--|

|                           |                           |
|---------------------------|---------------------------|
| <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 |