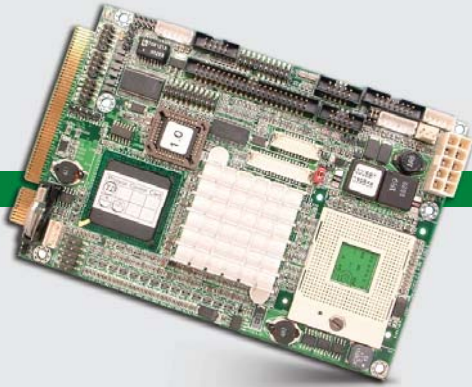


EmCORE-i761

3.5" Intel Pentium M Socket 478 Miniboard with PCI, CRT, LCD, DVI, TV-out & LAN

Embedded
Miniboards



Features

- Intel Pentium M Socket 478 CPU up to 2.0GHz FSB400MHz
- Intel Ultra Low Voltage Celeron M 600MHz CPU onboard FSB400MHz
- Support DDR 200/266 up to 1GB DDR SDRAM
- Support Dual Display (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 PCI interface to support 3 PCI master
- 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 |
| Cache | CPU on die |
| 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/33MHz PCI interface to support 3 PCI master |

Ethernet

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

Audio

| | |
|------------------------|---|
| Codec/Interface | Realtek ALC655A AC97 Codec, support Mic-in / Line-in / Line-out |
|------------------------|---|

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 independent display |

Mechanical & Environmental

| | |
|---------------------------|--|
| Power Consumption | EmCORE-i761VL/PM 1.7GHz 5V/5.62A(Max.) EmCORE-i761VL/CM 600MHz 5V/2.86A(Max.) |
| Operating Temp. | 0 ~ 60°C (32 ~ 140°F) |
| Operating Humidity | 0 ~ 95% (non-condensing) |
| Dimension (L x W) | 145 x 102mm (5.7" x 4") |

Ordering Information

| | | |
|--|--|----------|
| EmCORE-i761VL | 3.5" Intel Pentium M socket 478 miniboard with CRT/LCD/DVI/LAN | |
| EmCORE-i761VL/CM600 | 3.5" Intel Ultra Low Voltage Celeron M 600MHz miniboard with CRT/LCD/DVI/LAN | |
| EmCORE-i761VL/CM1000(optional) | 3.5" Intel Ultra Low Voltage Celeron M 1GHz miniboard with CRT/LCD/DVI/LAN | |
| EmCORE-i761VL/PM1400 (optional) | 3.5" Intel 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 |