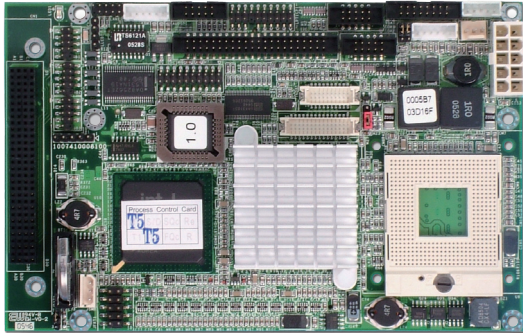




EmCORE-i741

3.5" Intel Pentium M Socket 478 Miniboard with PC/104 Plus, 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 PC/104 Plus Interface**
- **6 x RS-232 Serial Ports (Optional)**

System

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|-----------------------|--|
| CPU | Socket 478 for Intel Pentium M/Celeron M processor up to 1.8GHz FSB400MHz Onboard LV/ULV BGA type Pentium M/Celeron M processor |
| Cache | CPU on die |
| Memory | 1 x 200-pin 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 CompactFlash Type II Socket |
| Watchdog Timer | 255-level Reset |

I/O

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|----------------------|---|
| Serial Port | 2 x RS-232 ports (COM1, 2) |
| Parallel Port | SPP/EPP/ECP mode |
| Floppy | Support 1 Floppy disk drive share with parallel port |
| 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 (support 4 PCI master) |

Ethernet

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

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|------------------------|--|
| Codec/Interface | Realtek ALC655 AC97 Codec, support Mic-in/Line-in/Line-out |
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Display

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|---------------------------|--|
| Graphics Chipset | Intel 852GM Extreme Graphics2 Engine up to 64MByte UMA Video RAM |
| Graphics Interface | 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

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|--------------------------|--|
| Power Consumption | EmCORE-i741VL/1.7GHz 5V/5.62A (Max.) EmCORE-i741VL/CM600MHz 5V/2.86A (Max.) |
|--------------------------|--|

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|---------------------------|--------------------------|
| Operating Temp. | 0 ~ 60°C (32 ~ 140°F) |
| Operating Humidity | 0 ~ 95% (non-condensing) |
| Dimension (L x W) | 161 x 102 mm (6.3" x 4") |

Ordering Information

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|--|--|----------|
| 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 1.0GHz miniboard with CRT/LCD/DVI/LAN | |
| Cable Kit | CBK-13-0761-00 | Page 5-3 |
| FCDB-1293 | 4 x COM, Digital I/O | Page 5-5 |
| FCDB-1223 | DVI Daughterboard | Page 5-5 |

All specifications are subject to change without notice.