

EmCORE-i8520

5.25" Intel Pentium M Socket 478 Miniboard with CRT / LCD / DVI / TV-out, LAN, PC/104-Plus and DOC Socket



Features

- Intel Pentium M Socket 478 CPU up to 2.0GHz, FSB400MHz
- Intel Celeron M Socket 478 CPU up to 1.6GHz, FSB400MHz
- Support TFT LCD/CRT display
- Support DDR200/266 up to 1GB DDR SDRAM
- Support Dual View (Independent display)
- Support 18/36 bit LVDS & DVI & CRT
- Support 6 x USB 2.0 port
- CF Type I/II socket up to 4GB
- Support PCI, DOC, PC/104, PC/104 Plus and Mini-PCI (Optional)

System

CPU	Intel Pentium M Socket 478 CPU up to 2.0GHz, FSB400MHz Intel Ultra Low Voltage Celeron M Socket 478 CPU up to 1.6GHz, FSB400MHz
Memory	1 x 184Pin DIMM up to 1GB DDR SDRAM
Chipset	Intel 852GM + Intel ICH4
BIOS	Phoenix-AWARD PnP Flash BIOS
ATA / IDE	1 x UltraDMA33 support 2 IDE drives
Flash Disk	1 x Type II Compact Flash Disk Socket, 1 x DOC Socket
Watchdog Timer	255-level Reset

I/O

Serial Port	2 x RS-232/422/485 ports (COM1/2)
Parallel Port	SPP/EPP/ECP mode
Floppy	Support 2 floppy
IrDA	1 x SIR IrDA 1.1 compliant
USB Port	6 x USB 2.0 compliant
KB / MS	1 x PS2 K/B and Mouse
Expansion Bus	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

Chipset	Intel 82562ET/EZ 10/100 base-T
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Audio

Codec / Interface	Realtek ALC655A AC97 Codec, Support Mic-in / Line-in / Line-out
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Display

Graphics Chipset	Intel 852GM Extreme Graphics2 Engine up to 64MByte UMA Video RAM
Graphics Interface	CRT support 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-i8520VL/1.7GHz 5V/5.62A (Typical) EmCORE-i8520VL/CM600MHz 5V/2.86A (Typical)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 95% (non-condensing)
Dimension (L x W)	203 x 146mm
Weight	0.85 kg (0.19lb)

Ordering Information

EmCORE-i8520VL	5.25" Intel Pentium M Socket 478 Miniboard with CRT / LCD / DVI / TV-out, LAN, PC/104-Plus and DOC Socket
EmCORE-i8520VL/CM600	5.25" Intel Ultra Low Voltage Celeron M 600MHz Miniboard with CRT / LCD / DVI / TV-out, LAN, PC/104-Plus and DOC Socket
EmCORE-i8520VL/CM1000	5.25" Intel Low Voltage Celeron M 1GHz Miniboard with CRT / LCD / DVI / TV-out, LAN, PC/104-Plus and DOC Socket
EmCORE-i8520VL/PM1400 (Optional)	5.25" Intel Low Voltage Pentium M 1.4GHz Miniboard with CRT / LCD / DVI / TV-out, LAN, PC/104-Plus and DOC Socket
Cable Kit	CBK-13-8520-00 DDR SDRAM 128MB DIMM 184Pin DDR SDRAM 256MB DIMM 184Pin DDR SDRAM 512MB DIMM 184Pin DDR SDRAM 1GB DIMM 184Pin
FCDB-1293	4 x COM, 16-bit DIO
FCDB-1223	DVI Daughter Board