



EmCORE-i8520

Intel Pentium M/Celeron M 5.25" 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
- DDR 200/266MHz up to 1GB SDRAM
- Support 18/36-bit LVDS, CRT, TV-out and DVI
- Dual Display (Independent Display)
- 6 x USB 2.0 Ports
- CompactFlash Type I/II Socket
- PCI, DOC, PC/104 & PC/104 Plus and Mini-PCI (Optional)
- **6 x Serial Ports (Optional)**

System

CPU	µFC-PGA Pentium M/Celeron M Processor up to 1.8GHz FSB400MHz
Memory	1 x 184-pin DDR DIMM 200/266MHz up to 1GB SDRAM
Chipset	Intel 852GM + ICH4
BIOS	Phoenix-Award PnP Flash BIOS
ATA/IDE	1 x Ultra ATA 33 support 2 IDE devices
Flash Disk	1 x CompactFlash Type II Socket, 1 x DiskOnChip Socket
Watchdog Timer	255-level reset

I/O

Serial Port	2 x RS-232/422/485 selectable ports
Parallel Port	SPP/EPP/ECP mode
Floppy	2 x Floppy disk drives
IrDA	1 x SIR IrDA 1.1 compliant
USB	6 x USB 2.0 ports
KB/MS	One 1 x 6-pin wafer connector for Keyboard and Mouse
Expansion Bus	1 x PCI slot
	PC/104 interface
	PC/104 Plus interface
	1 x Mini-PCI socket (optional)

Ethernet

Chipset	1 x Intel 82562ET/EZ 10/100 base-T Ethernet
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Audio

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

Graphics Chipset	Intel 852GM Extreme Graphics Engine up to 64MB UMA Video RAM
Graphics Interface	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

Power Consumption	EmCORE-i8520VL/1.7GHz 5.62A/5V (Typical)
	EmCORE-i8520VL/CM600MHz 2.86A/5V (Typical)

Operating Temp.	0 ~ 60°C (32 ~ 140°F)
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Operating Humidity	0 ~ 95% (non-condensing)
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Dimensions (L x W)	203 x 146 mm (8" x 5.75")
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Ordering Information

EmCORE-i8520VL	Intel µFC-PGA Pentium M/Celeron M 5.25" miniboard with CRT/LCD/DVI/TV-out, LAN, PC/104 Plus and DOC Socket	
EmCORE-i8520VL/CM600	Same as above with onboard Celeron M 600MHz processor	
CBK-12-8520-00	Cable kit	Page 6-3
FCDB-1293	4 x COM, digital I/O	Page 6-6
FCDB-1223	DVI connector board	Page 6-6

Computer on Module

Embedded Miniboard

Slot Computing

Industrial Motherboard

Wide Temperature

Cable Kit/Cooling Kit /SBC Daughter Board /Power Converter

Rugged Tablet PC

HMI / HMC

Box PC

Mobile DVR

Network Communication Appliance

Industrial Chassis /Backplane Power supply