

# EmCORE-v621

3.5" VIA Mark Miniboard with LCD/CRT, Audio, and Dual LAN

Embedded  
Miniboards



## Features

- VIA Mark CoreFusion Processor 533/800MHz
- 1 x 144Pin SO-DIMM up to 512MB SDRAM
- Support CRT/LCD
- Support 2 x Realtek 8100CL 10/100base-T Fast Ethernet
- One PC/104 interface

## System

<b>CPU</b>	VIA Mark CoreFusion Processor 533/800MHz (FSB133MHz)
<b>Cache</b>	2nd level 64KByte
<b>Memory</b>	1 x 144Pin SO-DIMM up to 512MB SDRAM
<b>Chipset</b>	VIA Mark + VIA VT82686B
<b>BIOS</b>	Phoenix-AWARD PnP Flash BIOS
<b>ATA/IDE</b>	1 x Ultra DMA 33, support 2 IDE drives
<b>Flash Disk</b>	1 x Type II Compact Flash Disk Socket
<b>Watchdog Timer</b>	127-level Reset

## I/O

<b>Serial port</b>	3 x RS-232 ports (COM1,COM3,COM4) 1 x RS-232/422/485 port (COM2)
<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>	4 x USB 1.1 compliant
<b>KB/MS</b>	1 x PS2 K/B and Mouse
<b>Expansion Bus</b>	1 x 16 bit ISA-based PC/104 interface
<b>Digital I/O</b>	8 bit Digital Input/Output

## Ethernet

<b>Chipset</b>	2 x Realtek 8100CL 10/100base-T (LAN1 support Boot from LAN)
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## Audio

<b>Codec/Interface</b>	VIA VT1612A AC97 Codec, support Mic-in / Line-in / Line-out
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## Display

<b>Graphics Chipset</b>	VIA ProSavage4 Engine up to 32MByte UMA Video RAM
<b>Graphics Interface</b>	CRT support up to 1920 x 1440 LCD support 18/36 bit LVDS up to 1280x1024 LCD support 18/24/36 bit TTL up to 1280x1024

## Mechanical & Environmental

<b>Power Consumption</b>	EmCORE-v621VL2R/E533 5V/3.4A (Max.)
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (L x W)</b>	145 x 102mm (5.7" x 4")

## Ordering Information

<b>EmCORE-v621VL2R/ E533</b>	3.5" Embedded VIA Mark 533MHz miniboard with CRT/LCD, Dual Realtek 8100CL Fast Ethernet, AC97 3D Audio, PC/104 and Compact Flash
<b>EmCOREv621VL2R/ E800 (Optional)</b>	3.5" Embedded VIA Mark 800MHz miniboard with CRT/LCD, Dual Realtek 8100CL Fast Ethernet, AC97 3D Audio, PC/104 and Compact Flash
<b>Power Converter</b>	FCDB-1272 DC to DC power module
<b>Memory Module</b>	SDRAM 128MB SO-DIMM 144Pin SDRAM 256MB SO-DIMM 144Pin SDRAM 512MB SO-DIMM 144Pin