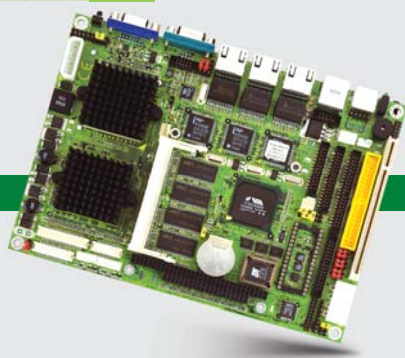


# EmCORE-i625

5.25" Intel Ultra Low Voltage Celeron 400MHz Miniboard with LCD / CRT , Audio and 3 x LAN, 4 USB, 4 COM



## Features

- Intel Ultra Low Voltage Celeron 400MHz CPU FSB100MHz, Fanless solution
- 128MB SDRAM Onboard and 1 x 144Pin SO-DIMM up to 512MB SDRAM, total 640MB
- Triple 10/100 Mbps LAN or Triple Gigabit LAN for firewall application
- VIA VT8606 Integrated Savage4 2D/3D video accelerator support LCD / CRT, TV-out
- Mini PCI socket for Wireless LAN
- Support unique board ID# for software based security and IP protection

## System

<b>CPU</b>	Intel Ultra Low Voltage Celeron 400MHz up to Low Voltage Pentium III 933MHz FSB100/133MHz
<b>Cache</b>	2nd level 512KByte
<b>Memory</b>	128MB SDRAM onboard and 1 x 144Pin SO-DIMM up to 512MB SDRAM, total 640MB
<b>Chipset</b>	VIA Twister-T VT8606T + VIA VT82686B
<b>BIOS</b>	Phoenix-AWARD PnP Flash BIOS
<b>ATA/IDE</b>	1 x Ultra DMA 100, support 2 IDE drives 1 x Ultra DMA 33, support 2 IDE drives
<b>Flash Disk</b>	1 x Type II Compact Flash Disk Socket 1 x Disk On Chip Socket
<b>Watchdog Timer</b>	127-level Reset

## I/O

<b>Serial port</b>	3 x RS-232 ports (COM1/3/4) 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 port</b>	4 x USB 1.1 compliant
<b>KB/MS</b>	1 x PS2 K/B and Mouse
<b>Expansion BUS</b>	1 x 32 bit / 33MHz PCI Slot 1 x 32 bit / 33MHz Mini PCI Socket 1 x 16 bit ISA-based PC/104 interface
<b>Digital I/O</b>	8 Digital Input/Output

## Ethernet

<b>Chipset</b>	3 x Realtek 8100BL 10/100base-T 3 x Intel 82551 10/100base-T (optional) 3 x Intel 82540EM 1000base-T (Gigabit) (optional) Built-in Boot ROM in Flash BIOS, 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 Twister-T S3 Savage4 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 1280 x 1024 LCD support 18/24/36 bit TTL up to 1280 x 1024 TV-Out support NTSC / PAL up to 1024 x 768

## Mechanical & Environmental

<b>Power Consumption</b>	EmCORE-i625VL3R/C400 5V/2.98A (Max.)
<b>Operating Temp.</b>	0 ~ 60°C (32 ~ 140°F)
<b>Operating Humidity</b>	0 ~ 90% (non-condensing)
<b>Dimension (W x L)</b>	146 x 203 mm (5.75" x 8")

## Ordering Information

<b>EmCORE-i625VL3R/C400-C</b>	5.25" Embedded ULV Intel Celeron 400MHz miniboard with AGP4X, CRT SVGA, Triple Realtek 8100BL fast Ethernet, Audio, Compact Flash
<b>Optional</b>	Box header version and all other specifications are available up on OEM request
<b>Cable Kit</b>	CBK-07-0625-00 <span style="float: right;">Page 5-2</span>
<b>Memory Module</b>	SDRAM 64MB SO-DIMM 144Pin SDRAM 128MB SO-DIMM 144Pin SDRAM 256MB SO-DIMM 144Pin SDRAM 512MB SO-DIMM 144Pin