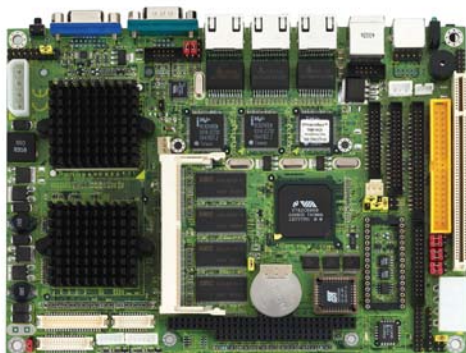


# EmCORE-i625

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

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

## I/O

|               |  |
|---------------|--|
| Serial port   | 3 x RS-232 ports (COM1/3/4)<br>1 x RS-232/422/485 port (COM2)  |
| Parallel port | SPP/EPP/ECP mode   |
| Floppy        | Support 2 floppy disk drives   |
| IrDA          | 1 x SIR IrDA 1.1 compliant   |
| USB port      | 4 x USB 1.1 compliant  |
| KB/MS         | 1 x PS2 K/B and Mouse  |
| Expansion BUS | 1 x 32 bit / 33Mhz PCI Slot<br>1 x 32 bit / 33Mhz Mini PCI Socket<br>1 x 16 bit ISA-based PC/104 interface |
| Digital I/O   | 8 Digital Input/Output   |

## Ethernet

|         |   |
|---------|---|
| Chipset | 3 x Realtek 8100BL 10/100base-T<br>3 x Realtek 82551 10/100base-T (optional)<br>3 x Realtek 82540EM 1000base-T (Gigabit) (optional)<br>Built-in Boot ROM in Flash BIOS, support Boot from LAN |
|---------|---|

## Audio

|                 |   |
|-----------------|---|
| Codec/Interface | VIA VT1612A AC97 Codec, support Mic-in/Line-in/Line-out |
|-----------------|---|

## Display

|                    |   |
|--------------------|---|
| Graphics Chipset   | VIA Twister-T S3 Savage4 Engine up to 32MByte UMA<br>Video RAM  |
| Graphics Interface | CRT support up to 1920 x 1440<br>LCD support 18/36 bit LVDS up to 1280 x 1024<br>LCD support 18/24/36 bit TTL up to 1280 x 1024<br>TV-Out support NTSC / PAL up to 1024 x 768 |

## Mechanical & Environmental

|                       |   |
|-----------------------|---|
| Power Consumption     | EmCORE-i625VL3R/C400<br>5V/2.98A (Max.) |
| Operating Temperature | 0 ~ 60°C (32 to 140°F)                  |
| Operating Humidity    | Up to 90% @ 55°C                        |
| Dimension (W x L)     | 146 x 203 mm (5.75" x 8")               |
| Weight                | 0.3 kg (0.66 lb)                        |

## Ordering Information

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