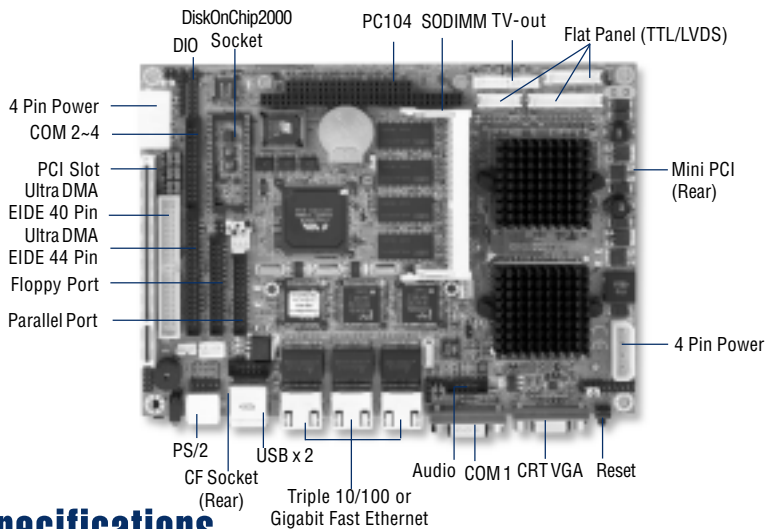


# EmCORE-i625

## 5.25" Intel Ultra Low Voltage Celeron or Low Voltage Pentium III Miniboard with Flat Panel / CRT SVGA, Audio and 3 LAN, 4 USB, 4 COM



### Features



- Intel Ultra Low Voltage Celeron or Low Voltage Pentium III Processor
- On-Board 128MB SDRAM
- Triple 10/100 Mbps LANs or Triple Gigabit LANs
- VIA VT8606 Integrated Savage4 2D/3D Video Accelerator Support Flat Panel / CRT and TV-out
- Mini PCI socket for expansion
- Supports Unique Board ID# for software based security and IP protection

### Specifications

#### System

- **CPU Type:** Intel Ultra Low Voltage Celeron 400MHz CPU (w/ 100MHz FSB and 256KB Cache)
- **OEM Option:** ULV Celeron 650 MHz, LV PIII 800 MHz, LV PIII 933 MHz
- **System Memory:** 128MB On-Board (Optional 256MB On-Board) One 144-pin SODIMM supports up to 512MB SDRAM
- **L2 Cache:** CPU integrated
- **Chipset:** VIA VT8606 Twister-T NorthBridge & VIA VT82C686B Super SouthBridge
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 100MB/sec(Ultra DMA 100MB/s 40 Pin;Ultra DMA 33MB/s 44 Pin)
- **BIOS:** Award Flash BIOS with ACPI and APM 1.2 power management
- **Watchdog Timer:** 255-level
- **Expansion:** One MiniPCI Slot & One 32-bit PCI Slot

#### Multiple I/O

- **Serial:** 3 high speed RS-232C ports (COM1, 3, 4) 1 high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode
- **Floppy:** 1 port up to 2 floppy disk drives
- **IrDA:** Onboard IrDA TX/RX port
- **USB:** 4 USB v1.1 ports
- **K/B & Mouse:** PS/2 KB/Mouse port
- **Digital I/O:** 16-bit, 8 Digital In and 8 Digital Out

#### LAN

- **Chipset:** Intel 82551 or Realtek 8100BL for 10/100Mbps or Intel 82540 for Gigabit LAN
- Supports boot ROM Function (OEM BIOS Needed)
- **Connector:** RJ-45 Connector (Available with Box header by OEM Case)

#### Audio

- **Chipset:** VIA VT82C686B Integrated
- **Audio Controller:** AC'97 v2.2

#### Flash Disk

- CompactFlash Type I/II supported

- DiskOnChip 2000

#### Display Options

##### Flat Panel / CRT

- **Chipset:** UMA Savage 4 (VT8606T) AGP Video Controller with TTL, LVDS, TV-out and CRT support
- **Display Memory:** Up to 32MB UMA Video RAM
- **CRT:** Up to 1600 x 1200 @ 32bpp
- **TTL:** Direct connection to TFT/DSTN panels (36-bit)
- **LVDS:** Supports dual channel 110MHz (36-bit )
- **TV-out:** Support NTSC, PAL, NTSC-EIA (Japan) format, 640 x 480 resolutions

#### Mechanical and Environment

- **Power Requirement:**  
15.79 Watt typical; (EmCORE-i625VL3/N-C400 with 128MB SDRAM)  
20.37 Watt typical; (EmCORE-i625VL3/N-P800 with 128MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** Up to 90% @ 55°C
- **Dimension (L x W):** 203 x 146 mm (8" x 5.75")
- **Weight:** 0.3 Kg (0.66 lb)

#### Ordering Information

##### EmCORE-i625VL3N/C400-C

EBX Embedded Intel Ultra Low Voltage Celeron 400 Miniboard with 4xAGP CRT SVGA, Triple Intel 82551 Fast Ethernet, Audio and CompactFlash Socket

##### EmCORE-i625VL3R/C400-C

Same as above with Triple Realtek 8100BL Fast Ethernet

##### EmCORE-i625VL3G/C400-C

Same as above with Triple Intel 82540 Gigabit Fast Ethernet

##### Cable Kit

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Box header version and all other specifications are available upon OEM request.