




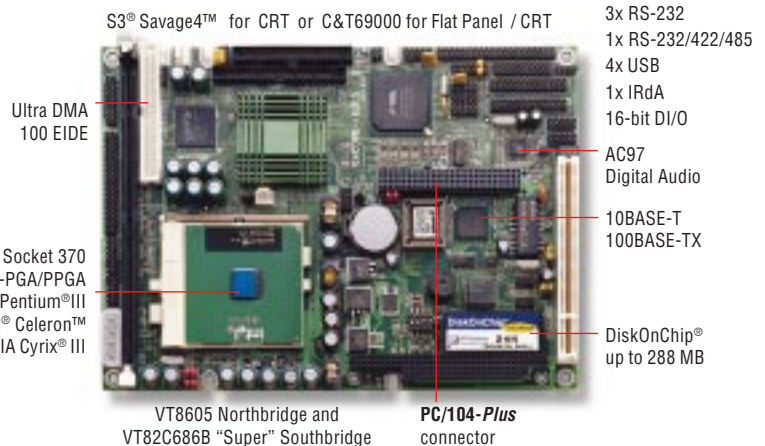


# EmCORE-i6315

	Socket 370 : Pentium-III / Celeron, VIA Cyrix-III at FSB 66/100/133
	LCD / CRT optional
	LAN 10/100 Intel 82559
	16-bit Digital I/O
	AC97 3D Audio



## Socket 370 5¼" Littleboard Pentium®-III / Celeron, LCD/CRT, Ethernet, Audio, DI/O

### General Specifications

#### CPU

Socket 370 FC-PGA/PPGA supports : Intel® Pentium®III, Intel® Celeron™, VIA Cyrix®III with FSB @ 133 / 100 / 66 MHz

#### Chipset

VIA ProSavage™ PM133(VT8605 Northbridge and VT82C686B "Super" Southbridge)

supports PC-133, 133MHz FSB and ATA-100 BIOS

AWARD Flash BIOS Green&Soft Off function, LS120, Multiple boot function

#### Green Function

power saving supported in BIOS. DOZE / STANDBY / SUSPEND modes, ACPI & APM

#### Secondary Cache

Integrated on CPU

#### DRAM Memory

up to 512 MB of SDRAM in one 168-pin DIMM sockets (supports PC-133 SDRAM)

#### Bus Interface

PCI-bus and PC/104-Plus (PCI+ISA)

#### PCI Enhanced IDE with Ultra DMA

supports 2 ports and up to 4 ATAPI devices. Ultra DMA transfer 33/66 and 100 MB/sec one 40-pin (2.54 pitch) box header and one 44-pin (2.0 pitch) box header

#### Watchdog Timer

128-level timer generates RESET or NMI when your application loses control over the system.

#### Real-time Clock

built-in chipset with lithium battery backup for 10 years of data retention.

### Network Interface Controller

#### Chipset

Intel 82559, 10/100 Mbps, autoswitching

#### Connector

10-pin onboard header



### PC/104-Plus Interface

#### Bus types

104-pin ISA and 120-pin PCI

### Digital I/O

16-bit GPIO, 8 independent GPI and 8 independent GPO programmable by software.

### High Speed Multi I/O

#### Chipset

included in VT82C686B "Super" Southbridge

#### Serial Ports

3 high speed RS-232C ports (COM1,3,4) and one high speed RS-232/422/485 port (COM2)

#### USB Ports

four ver1.0 ports ( two 2x5-pin headers )

#### SIR Interface

onboard IrDA TX/RX port (5-pin header)

#### Floppy Disk Drive Interface

2 floppy disk drives, 5¼" (360 KB or 1.2 MB) and 3½" (720 KB, 1.44 MB or 2.88 MB).

#### Bi-directional Parallel Port

SPP, EPP and ECP mode.

#### Keyboard and Mouse Connectors

one combined 10-pin header for KB/Mouse

### Flash Disk DiskOnChip®2000

#### Package

Single Chip Flash Disk in 32-pin DIP JEDEC

#### Capacity

up to 288 MByte

### Audio

#### Chipset

16-bit 3D AC'97 Audio controller integrated in VIA686B. Soundblaster Pro and Direct Sound compatible. LINE-in/out CD-in, Mic-in and stereo speakers.

#### Connector

10-pin onboard header

### Display Controller

#### OPTION 1

##### Chipset

4x AGP S3® Savage4™ 3D and S3® Savage 2000™ 2D engines integrated in VT8604 Supports up to 32 MB (shared) memory

##### Display Type

CRT (VGA, SVGA, XGA, SXGA)

#### OPTION 2

##### Chipset

CHIPS C&T69000 HiQVideo™ Accelerator with 2 MB SDRAM on die

##### Display Type

CRT, TFT, DSTN, SSTN, EL, Plasma Quarter VGA, VGA, SVGA, XGA and SXGA

### Environmental and Power

#### Power Requirements

+5 V @ 4.8 A (typical), ±12 V ; (Pentium-III at 866 MHz and 128 MB PC-133 SDRAM)

#### CPU Power

autodetect PWM switching power supply

#### System Monitoring and Alarm

CPU and System temperature, system voltage and cooling fan RPM.

#### Board Dimensions

203 mm x 146 mm (5.75" x 8.0")

#### Board Weight

0.30 Kg.

#### Operating Temperature

0 to 60°C (32 to 140°F)

### Ordering

**EmCORE-i6315/VL:** 5.25" Socket 370 Pentium III / Celeron Littleboard Computer with AGP CRT SVGA, Fast Ethernet, AC97 Audio, 16-bit Digital I/O, 4 Serial Ports and DiskOnChip socket

**EmCORE-i6315/CL:** same as above with Flat Panel / CRT Display support