


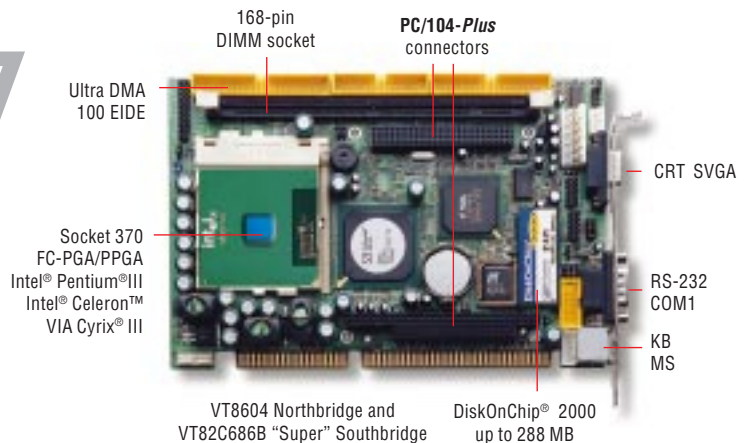


EmCORE-i6317

	Socket 370 : Pentium-III / Celeron, VIA Cyrix-III at FSB 66/100/133
	CRT Display 4x AGP S3® Savage4
	PC/104Plus connector for optional : SCSI adapter or Ethernet



Socket 370 CPU Card Pentium®-III / Celeron, CRT SVGA and PC/104-Plus

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™ PL133 (VT8604 Northbridge and VT82C686B "Super" Southbridge) integrates VIA Apollo Pro133A, S3® Savage4™ 3D and S3® Savage2000™ 2D engines and 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

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

PCI Enhanced IDE with Ultra DMA

supports 1 port and up to 2 ATAPI devices. Ultra DMA transfer 33/66 and 100 MB/sec

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. CMOS data backup of BIOS setup and BIOS default.

PC/104-Plus Interface

Connectors

104-pin ISA and 120-pin PCI

Flash Disk DiskOnChip®2000

Package

Single Chip Flash Disk in 32-pin DIP JEDEC

Capacity

up to 288 MByte

Data Reliability

ECC/EDC error correction

Memory Window

8 KByte

High Speed Multi I/O

Chipset

included in VT82C686B "Super" Southbridge

Serial Ports

one external high speed RS-232C port COM1 (DB9 on bracket), one internal high speed RS-232C/422/485 port COM2 (jumper selectable, 10-pin box header). Both with 16C550 compatible UART and 16 byte FIFO.

USB

2 onboard USB ver 1.0 ports (2x 5-pin header)

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

external PS/2 KB/Mouse port (2-in-1 mini DIN) onboard AT Keyboard port (5-pin box header)

Display Controller

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)

Connectors

external DB-15 for CRT on bracket

Environmental and Power

Power Requirements

+5 V @ 4.7 A (typical), ±12 V ; (FC-PGA Pentium III 800 MHz at 133 FSB and 256 MB PC-133 SDRAM)

CPU Power

onboard PWM switching power supply for autodetects CPU core voltage

System Monitoring and Alarm

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

Board Dimensions

185 mm x 122 mm

Board Weight

0.26 Kg.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering

EmCORE-i6317/V :

Half-size, Socket 370, FC-PGA CPU Card for Pentium III / Celeron CPU with CRT SVGA and PC/104-Plus Connector