




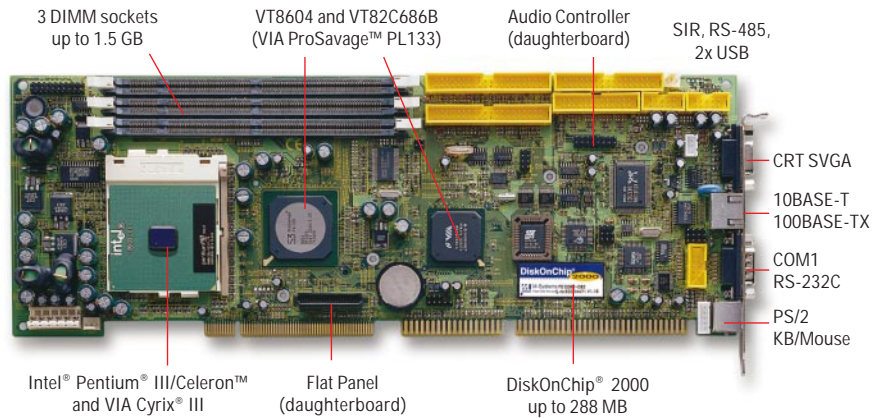


# HiCORE-i6313

	Socket 370 : Pentium-III / Celeron, VIA Cyrix-III at FSB 66/100/133
	LAN 10/100 Realtek 8139
	AC97 3D Audio
	CRT Display S3® Savage4
	TTL, LVDS, TMDS option



## Pentium-III/Celeron

## Flat Panel / CRT SVGA, Fast Ethernet and Audio

### 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, 133 MHz 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 1.5 GB of SDRAM in three 168-pin  
DIMM sockets (supports PC-133 SDRAM)

#### PCI Enhanced IDE with Ultra DMA

supports 2 ports and up to 4 ATAPI devices,  
Ultra DMA transfer rates 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.

#### Flash DiskOnChip® 2000

#### Package

Single Chip Flash Disk in 32-pin DIP JEDEC

#### Capacity

up to 288 MByte

### 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 v1.0 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).

#### Bidirectional 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)

### Network Interface Controller

#### Chipset

Realtek RTL8139C

#### Type

10BASE-T / 100BASE-TX, autoswitch

#### Connector

external RJ-45 connector on bracket

### Audio

#### Connector

16-pin header for Audio daughterboard

#### Audio Daughterboard (optional)

Soundblaster Pro and Direct Sound Ready  
AC97 Digital Audio controller. LINE-in/out CD-  
in, Mic-in and stereo speakers.

### Display Controller

#### Chipset

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

#### Display Type

CRT (VGA, SVGA, XGA, SXGA)  
Daughterboard kits available for TTL, LVDS  
and TMDS (DFP) Flat Panel connections

#### Connectors

external DB-15 for CRT on bracket and  
42-pin header for Flat Panel Daughterboards

### Environmental and Power

#### Power Requirements

+5 V @ 4.2 A (typical), ±12 V ; (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 / system temperature, voltage, fan RPM

#### Board Dimensions

338 mm x 122 mm

#### Board Weight

0.45 Kg.

#### Operating Temperature

0 to 60°C (32 to 140°F)

### Ordering

**HiCORE-i6313/VL** : Full-size, Socket 370,  
Pentium III / Celeron PC-133 CPU Card  
with CRT SVGA and Fast Ethernet

**HiCORE-i6313/V** : as above without Ethernet

**EMD-SND/B** : Audio Codec Daughterboard

**FEMD-TMDS/B** : Flat Panel TMDS Daughterboard  
with cable and DFP bracket

**FEMD-TMDS/AD** : Flat Panel TTL / LVDS / TMDS  
Daughterboard with cable and DFP on bracket

