




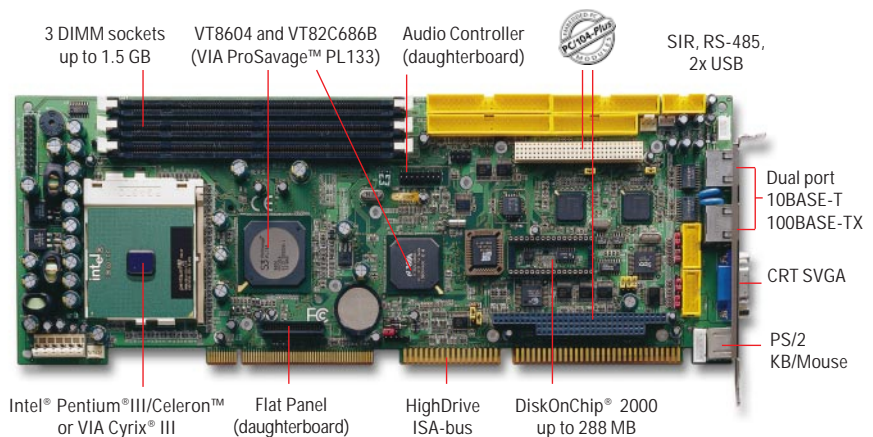


HiCORE-i6312

	Socket 370 : Pentium-III / Celeron, VIA Cyrix-III at FSB 66/100/133
	Dual LAN Intel 82559
	AC97 3D Audio
	CRT Display S3® Savage4
	TTL, LVDS, TMDs option



Pentium-III/Celeron

Flat Panel /CRT, Dual Fast Ethernet, Audio 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 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 Drive ISA64 bus CTI ready

ISA Add-on

64 mA high drive buffer supports up to
20 ISA based add-on cards

PC/104-Plus (+ PCI Bridge)

PC/104-Plus (ISA/PCI) connector and 1-to-2
PCI-bridge allow addition of PCI function
modules such as SCSI and Ethernet

High Speed Multi I/O

Chipset

included in VT82C686B "Super" Southbridge

Serial Ports

one external RS-232C port COM1, one internal
RS-232C/422/485 port COM2

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" and 3½"

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)

Dual Network Interface

Chipset

2x Intel 82559, 10/100 Mbps, autoswitching

Connector

Dual RJ-45 with LEDs on bracket

Audio

Connector

16-pin header for Audio daughterboard

Audio Daughterboard (included)

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 @ 4.7 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 / System temperature, Voltage, fan RPM.

Board Dimensions & Weight

338 mm x 122 mm, 0.45 Kg.

Operating Temperature

0 to 60°C (32 to 140°F)

Ordering

HiCORE-i6312/VL2 : Full-size, Socket 370,
Pentium III / Celeron PC-133 CPU Card
with High Drive ISA, CRT SVGA, Dual
Fast Ethernet and Audio Daughterboard

HiCORE-i6312/VL :

as above with single Fast Ethernet port

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