HiCORE-i6314

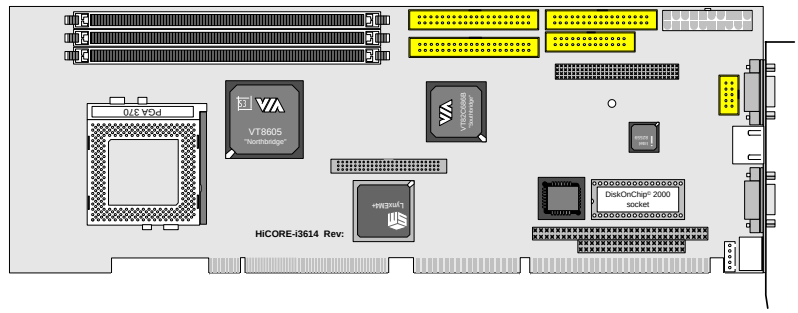
Socket 370 : Tualatin / Pentium® III at 66/100/133 FSB

LAN 10/100 Intel 82559

AC97 3D Audio

CRT Display SMI 720/721

18/36/48-bit TTL panel



Pentium-III (Tualatin) — Flat Panel / CRT , Fast Ethernet, Audio and PC / 104-*Plus*

General Specifications

CPU
Socket 370 FC-PGA/FC-PGA2 supports : Pentium®III (Tualatin) up 1.26 GHz and Celeron (FCPGA2) with FSB @ 133 / 100/66 MHz

Chipset
VIA VT82C694T/X and VT82C686A/B chipset

BIOS
AWARD ver 6.0 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 ECC SDRAM in three 168-pin DIMM sockets (supports PC-133 SDRAM)

Data Bus & Bus Speeds
64-bit PCI at 33 Mhz, 16-bit ISA at 8 Mhz

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

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 VT82C686A/B chipset

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" 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)

Network Interface Controller

Chipset
Intel 82559

Type
10BASE-T / 100BASE-TX, autoswitch

Connector
external RJ-45 connector on bracket

Audio

Chipset
AC97 Digital Audio controller

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

Display Controller

Chipset
SMI 722/721 Chipset
with 4, 8 or 16 MB of memory on die

Display Type
CRT, TFT, DSTN, SSTN, EL, Plasma Quarter VGA, VGA, SVGA, XGA and SXGA
support 18/36/48-bit TTL panels
(optional LVDS daughterboard)

Connectors
external DB-15 for CRT on bracket and 25x3 TTL header for 48-bit panel support

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
338 mm x 122 mm

Board Weight
0.45 Kg.

Operating Temperature
0 to 60°C (32 to 140°F)

Ordering

HiCORE-i6314VL :
Pentium III (Tualatin) CPU Card with Flat Panel/CRT SVGA, Fast Ethernet and DiskOnChip socket