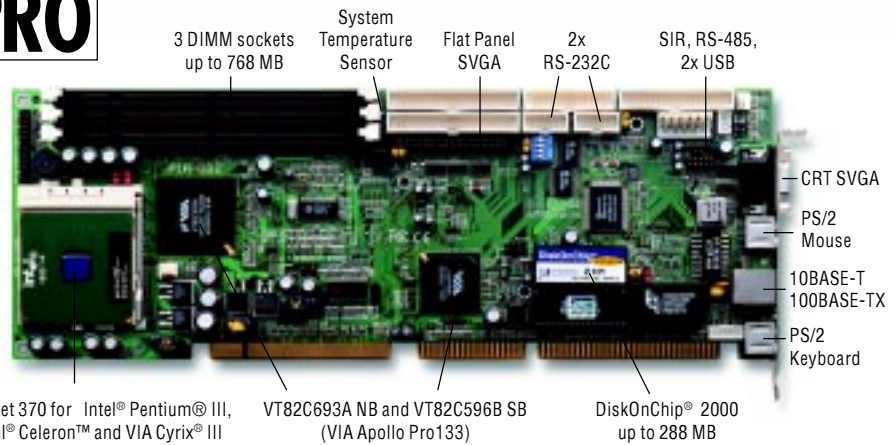
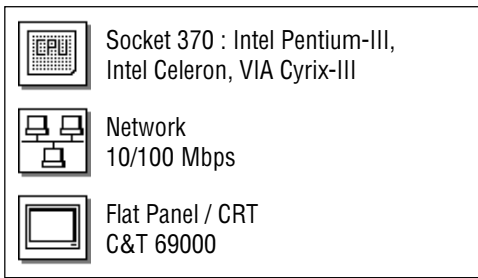


PIA-662

PRO



Socket 370 CPU Card

Pentium®-III or Celeron, with LCD/CRT and Fast Ethernet

General Specifications

CPU

Socket 370 : Intel® Pentium® III, Intel® Celeron™ and VIA Cyrix® III (Joshua)

Chipset

VT82C693A NB and VT82C596B SB (VIA Apollo Pro133) with 133 FSB (CPU speed up to 1 GHz) and 133 MHz Memory Bus with support for PC-133 SDRAM

BIOS

Y2K compliant AWARD Flash BIOS supports NCR SCSI, Green&Soft Off function, LS120 and Multiple boot-up

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. PIO mode 3/4 and Bus-Master. Ultra DMA transfer rates of 66 MB/sec, Multiword DMA Mode 2 transfer

Watchdog Timer

generates a system RESET or Active NMI when your application loses control over the system. The timer interval is :1, 2, 10, 20, 110 and 220 seconds .

Real-time Clock

Benchmark bq3287ATM with lithium battery backup for 10 years of data retention. CMOS data backup of BIOS setup and BIOS default.

High Speed Multi I/O

Chipset

Winbond W83977TF-AW

Serial Ports

one onboard/external high speed RS-232C port COM1 (for DVL version only onboard connector), one internal high speed RS-232C/485 port COM2 (jumper selectable). Both with 16C550 compatible UART and 16 byte FIFO.

USB

2 onboard USB ports (12 Mb/s and 1.5 Mb/s)

SIR Interface

onboard 5-pin IrDA TX/RX 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 6-pin mini DIN for PS/2 Mouse
external 6-pin mini DIN for PS/2 Keyboard
onboard 5-pin header for AT Keyboard

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

Network Interface Controller

Chipset

Realtek RTL8139B

Type

10BASE-T / 100BASE-TX, autoswitch

Connector

external RJ-45 connector on bracket

Display Controller

Chipset

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

BIOS

combined with system BIOS

Display Type

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

Connectors

external 15-pin D-sub female for CRT and onboard 50-pin box header for Flat Panel

Environmental and Power

Power Requirements

+5 V @ 4.2 A (typical), ±12 V (366 MHz Celeron CPU and 64 MB 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 55°C (32 to 131°F)

Ordering

PIA-662Pro/DVL : Full-size Socket 370 CPU Card for Pentium-III and Celeron CPU with Flat Panel/CRT SVGA, Fast Ethernet and DiskOnChip socket

PIA-662Pro/DV : Full-size Socket 370 CPU Card for Pentium-III and Celeron CPU with Flat Panel/CRT SVGA and DiskOnChip socket