

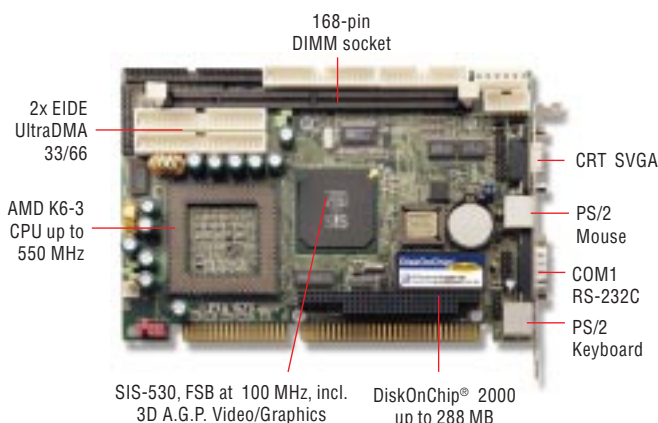
# PIA-671



Socket 7 : Pentium MMX,  
AMD K6-III, Cyrix M-II



CRT Display  
AGP SIS-530



## Pentium CPU Card

## up to AMD K6-3, with AGP CRT SVGA Interface

### General Specifications

#### CPU

AMD® K6-III™ (K5/K6/K6-II) up to 550 MHz,  
VIA Cyrix® MII™, Intel® Pentium MMX™

#### Chipset

SIS 530 (Host, PCI, 3D A.G.P. Video/Graphics)

#### BIOS

AWARD PCI/ISA PnP system BIOS

#### Green Function

power saving options supported in BIOS.  
DOZE / STANDBY / SUSPEND modes

#### Secondary Cache

512 KB Pipelined Burst SRAM (up 1MB - 2MB)

#### DRAM Memory

512 MB EDO/SDRAM in 168-pin DIMM socket

#### Bus Interface

ISA and PC/104 (speed 8.3 MHz)

#### DMA Channels

7 channels

#### Interrupt Levels

15 levels

#### PCI Enhanced IDE with Ultra DMA

supports two ports and up to four hard drives or Enhanced IDE devices. Supports IDE PIO Timing Mode 0, 1, 2, 3 and 4, Multiword DMA Mode 0, 1, 2 and Ultra DMA 33/66

#### Watchdog Timer

generates an NMI or system RESET when your application loses control over the system. Timer interval : 1, 2, 10, 20, 110 and 220 sec.

#### Real-time Clock

included in SIS-530 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

ITE 8661F

#### Serial Ports

one external high speed RS-232C port COM1, one internal high speed RS-232C/485 port COM2 (jumper selectable), both with 16C550 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) BIOS enabled/disabled.

#### Bi-directional Parallel Port

supports 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

2-288 MByte capacity

#### Data Reliability

ECC/EDC error correction

#### Memory Window

8 KByte

### Display Controller

#### Chipset

SIS-530 AGP, 2x AGP at 133 MHz, supports hardware 2D/3D Video/Graphics Accelerators

#### Shared Memory

up to 8 MB SDRAM shared memory

#### Display

CRT (VGA, SVGA, XGA, SXGA)

#### Resolution

up to true color on SXGA (1280x1024 @ 16M)

#### Connectors

15-pin D-sub connector for CRT on bracket  
onboard 16-pin header for CRT

### Environmental and Power

#### Power Requirements

+5 V @ 3.2 A (typical), ±12 V  
(Intel Pentium MMX 233MHz + 64MB SDRAM)

#### System Monitoring and Alarm

CMOS-based PC hardware monitor, monitors CPU and system temperature, fan speeds and power supply voltages. Upper and lower limits can be set to trigger an alarm when a value exceeds its limits.

#### Board Dimensions

185 x 122 mm.

#### Board Weight

0.25 Kg

#### Operating Temperature

0 to 55°C (32 to 131°F)

### Ordering

**PIA-671DV** : Half-size Pentium CPU Card with CRT AGP SVGA Controller and DiskOnChip socket

