

PIA-662



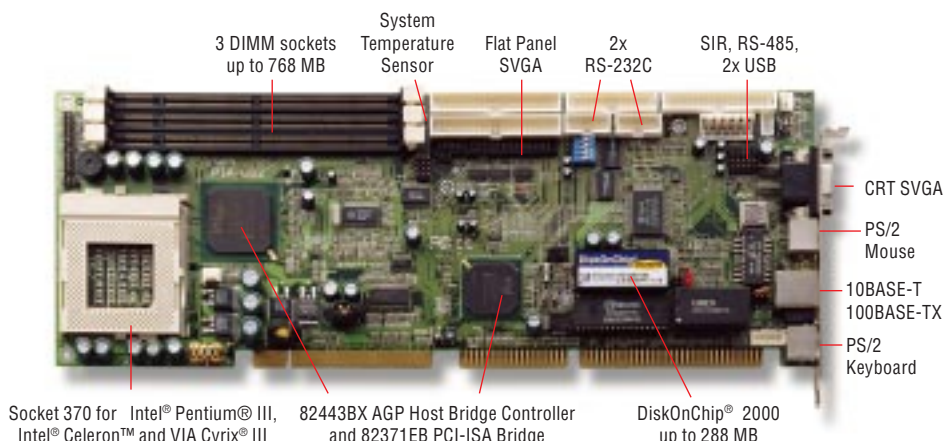
Socket 370 : Pentium-III / Celeron,
VIA Cyrix-III at FSB 66/100



LAN 10/100
Realtek 8139C



Flat Panel / CRT
C&T 69000



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

82443BX AGP Host Bridge Controller and
82371EB PCI-ISA Bridge, FSB 100 Mhz

BIOS

Y2K compliant AWARD Flash BIOS
supports 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 768 MB of SDRAM in three 168-pin
DIMM sockets

PCI Enhanced IDE with Ultra DMA

supports 2 ports and up to ATAPI devices. PIO
mode 3/4 and Bus-Master. Ultra DMA transfer
rates of 33 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

ODIN 12B887A (or compatible) 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

W83977EF-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 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

2-288 MByte capacity

Data Reliability

ECC/EDC error correction

Memory Window

8 KByte

Network Interface Controller

Chipset

Realtek RTL8139C (or compatible)

Type

10BASE-T / 100BASE-TX, autoswitch

Connector

external RJ-45 connector on bracket

Display Function

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
(Celeron 366 MHz 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-662DVL : Full-size, Socket 370, FC-PGA
CPU Card for Pentium III / Celeron CPU with
Flat Panel/CRT SVGA, Fast Ethernet and
DiskOnChip socket

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

PIA-662D : Full-size Socket 370 CPU Card for
Pentium III / Celeron CPU with DiskOnChip
socket

