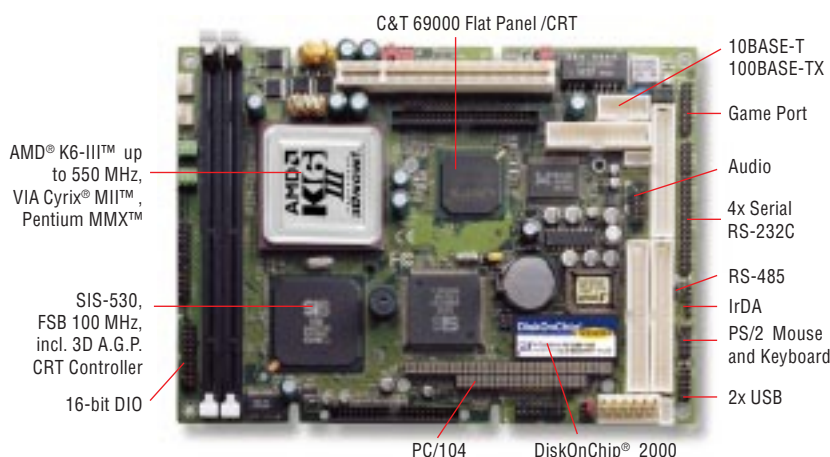


PIM-582

	Socket 7 : AMD K6-III		Audio 3D ESS Solo-1
	Network 10/100 Mbps		16-bit Digital I/O
	LCD / CRT C&T 69000		CRT Display AGP SiS-530



5 1/4" Pentium Miniboard

up to AMD K6-3, with LCD/CRT and Fast Ethernet

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

DRAM Memory

1 GB SDRAM in two 168-pin DIMM sockets

Bus Interface

PCI - 32-bit, PC/104 - 16 bit

PCI Enhanced IDE with Ultra DMA

supports two ports and up to four ATAPI
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.

Audio Controller

Chipset

ESS Solo-1 ES-19385, 3D Sound onboard

Connectors

9-pin header for AUXA, AUXB, Mic/Speaker
and 4-pin mini box header for CDROM audio

High Speed Multi I/O

Chipset

ITE 8661F

Serial Ports

3 high speed RS-232C ports COM1/COM3/
COM4, 1 high speed RS-232C/485 port COM2
(jumper selectable). Both with 16C550 UART
and 16 byte FIFO.

Game Port, USB, SIR

16-pin header for single game port
2 onboard USB ports (12 Mb/s and 1.5 Mb/s)
5-pin IrDA TX/RX header

Floppy Disk Drive Interface

2 floppy disk drives, 5 1/4" (360 KB or 1.2 MB)
and 3 1/2" (720 KB, 1.44 MB or 2.88 MB)

Bi-directional Parallel Port

supports SPP, EPP and ECP mode.

Keyboard and Mouse Connectors

onboard 10-pin header for combined use of
PS/2 Mouse, PS/2 Keyboard and AT Keyboard

Digital I/O

16-bit GPIO, 8 independent GPI and 8
independent GPO programable by software.

Flash Disk DiskOnChip®2000

Package

Single Chip Flash Disk in 32-pin DIP JEDEC

Capacity

2-288 MByte capacity

Network Interface Controller

Chipset

Realtek RTL8139A

Type

10BASE-T / 100BASE-TX

Connector

onboard 10-pin header

Display Controller (options)

OPTION 1 (PIM-582)

Chipset

SIS-530 AGP, 2x AGP at 133 MHz, supports
up to 8 MB SDRAM shared memory

Display Type

CRT (VGA, SVGA, XGA, SXGA)

OPTION 2 (PIM-582/C)

Chipset

CHIPS C&T 69000 HiQVideo™ Accelerator
with 2 MB SDRAM on die

Display Type

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

Environmental and Power

Power Requirements

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

Connectors

3-pin CPU fan power, 3-pin system fan power,
6-pin power source block

System Monitoring and Alarm

CPU and System temperature,
system voltage and cooling fan RPM.

Board Dimensions

146 mm x 203 mm (5.75" x 8.0")

Board Weight

0.28 Kg

Operating Temperature

0 to 55°C (32 to 131°F)

Ordering

PIM-582 : 5 1/4" Pentium Littleboard
with AGP SVGA for CRT Display,
Fast Ethernet, Sound, 4 Serial Ports,
16-bit Digital I/O and DiskOnChip socket

PIM-582/C : same as above
with C&T 69000 Flat Panel controller installed

