MSC-3570A

Advanced Socket 7 PICMG SBC With VGA / LAN

Board diagram callouts:
- USB Connector
- 168Pins DIMM*2
- Audio Signals Connector
- CD-ROM Audio In Connector
- AT Power Connector
- ATX Power Connector
- PS/2 Mouse Connector
- RJ45
- VGA Port
- PS/2 Keyboard Connector
- Ext. Keyboard Connector
- S3 Trio 3D 2x
- VIA Apollo MVP3
- CPU Fan Interface
- Socket 7
- System Fan Connector
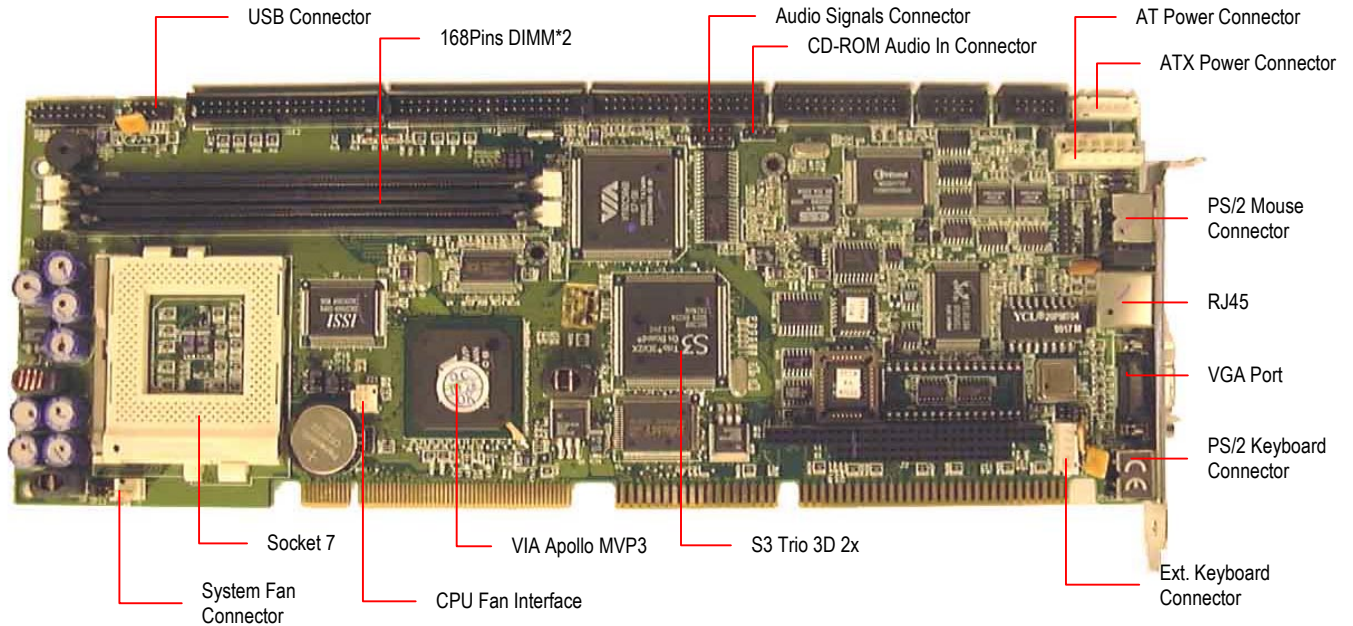
Introduction

The MSC-3570A is a full featured, industrialized, single board computer with Intel Pentium or AMD K6/K6-2/K6-3 processor. It is designed on a full-sized PICMG board with VIA Apollo MVP3 chipset to maximize the efficiency and reliability.

In addition to that, MSC-3675 also integrated with S3 Trio 3D/2X Graphics Accelerator to deliver advanced graphics and video support for CRT.

Other features include on-board Intel 10/100 TX LAN, full-duplex sound function, Ultra DMA 33, high performance serial ports, parallel port, two USB ports, and a programmable watchdog timer.

Features

- Support Intel Pentium/Pentium MMX, AMD K5/K6/K6-2/K6-3, Cyrix 6x86/6x86MX/ 6x86MX-II, IDT/Centaur C6/Winchip 2
- VIA Apollo MVP3
- 2 x 168-pin DIMM sockets UP to 512MB
- Bus master IDE and Ultra DMA-33 supported
- 3-level programmable watchdog timer
- Support M-System DiskOnChip up to 144MB
- S3 Trio 3D/2X Video Accelerator with 4MB frame buffer
- On-board auto-switching 10/100 Base-T Ethernet
- Full-duplex sound function
- Supports two USB ports
- Supports Wake on LAN & modem ring-on

Specifications

Processor	Support Intel Pentium/Pentium MMX, AMD K5/K6/K6-2/K6-3, Cyrix 6x86/6x86MX/ 6x86MX-II, IDT/Centaur C6/Winchip 2
CPU Speed	500 Mhz
BUS Clock Rate	66/100 MHz
Chipset	VIA Apollo MVP3
BIOS	AWARD BIOS
Cache	512K Cache
Main Memory	Two 168-pin DIMM sockets, Supports up to 512MB
IDE Interface	Two channels for up to four IDE devices Support bus master Ultra DMA 33
FDD Interface	Supports up to two floppy disk drives
Serial Port	One RS-232 and One RS-232 / 422 / 485
Parallel Port	One ECP/EPP/SPP parallel port
Disk On Chip	M system DiskOnChip
Keyboard/Mouse Connectors	PS/2 6-pin and 5pin header keyboard connector PS/2 6-pin mouse connector
Watchdog Timer	3 levels
USB	Two USB ports
Power Supply Voltage	+5V @ 3A +12V @ 25mA max

VGA Chipset	S3 Trio3D/2X
Display Memory	4MB SGRAM
Display Type	Supports CRT
LAN Chipset	RealTek RTL8139A
Ethernet Bus	10/100 Base-T Ethernet RJ-45 connector on board
Sound Chipset	ESS Solo1
Sound Function	Full-duplex
Dimensions (L x W)	337.5mm x 123.3mm (13.29" x 4.855")
Operating Temperature	$0\ ^{o}C \sim 60\ ^{o}C$
Relative Humidity	5% ~ 95%, Non-condensing

Note: Specification is subject to change without notice.

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