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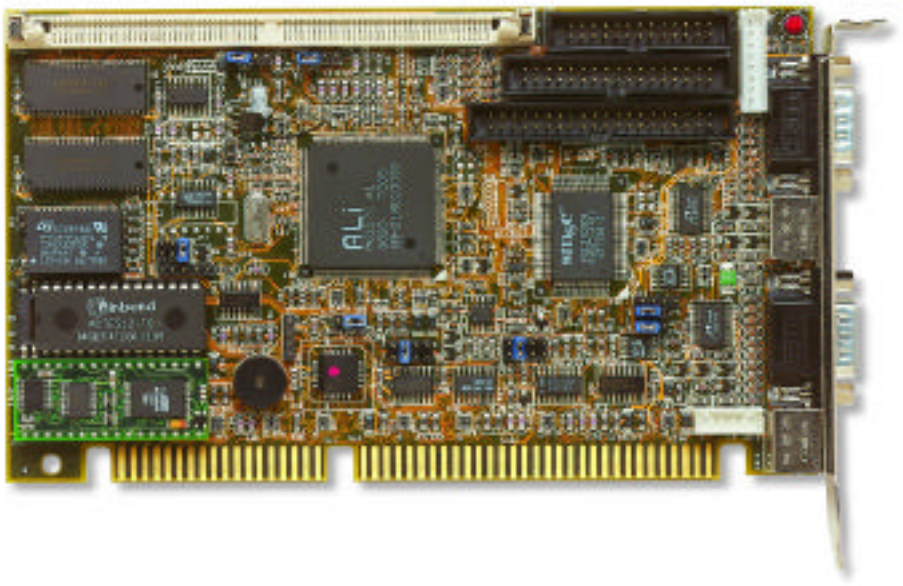
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INX-386 SBC



DESCRIPTION

The MCSI INX-386SX Single Board Computer is an IBM PC/AT Compatible Plug-in Processor Board designed to be used in passive backplane applications. The INX-386SX SBC provides the user with a high-performance PC/AT compatible computer on a half size PC/XT size plug-in board. The most outstanding features include an optional 32MB PROMDISK-Chip™ Disk Emulator, a WatchDog timer, and a 1K-bit E²Key memory for storing user data. The multi-I/O controller includes dual 16C550 UARTs, a floppy port, and an SPP/EPP/ECP multi-mode bi-directional parallel port. The optional PROMDISK-Chip Disk Emulator comes complete with ROM-DOS version 6.22, making it ideal for embedded diskless applications. The 1K-bit E²Key memory is a non-volatile memory that is useful for storing user data,such as: critical system parameters, terminal address, etc. The WatchDog timer is ideal for controlling critical processes where unattended operation is essential. The INX-386SX SBC operates on a single +5VDC supply, and has an external power connector which allows direct connection to an external power supply, making it ideally suited for stand alone applications.

The INX-386SX SBC was specifically designed to operate in extreme industrial environments, and has an operating temperature range of 0º to 60ºC.

FEATURES

- 100% IBM PC/AT Compatible Computer
- Includes ALI 6117 ChipSet with integral 80C386SX-40MHz Microprocessor
- Includes 4MB System DRAM On-board,Expandable up to 32MB
- Optional 32MB PROMDISK-Chip™ Disk Emulator
- AT (PS/2) Compatible Keyboard Port (not required for booting)
- PS/2 Compatible Mouse Port
- Two 16C550 Compatible RS-232 Serial Ports; Serial Port 2 can be configured as RS-232 or RS-422/485
- PS/2 Compatible Bi-directional Parallel Port
- Dual Floppy Disk Port Supports up to Two 3.5" or 5.25" Drives with Capacities up to 2.88MB
- IDE Hard Disk Port
- Clock/Calendar with Battery Back-up
- Operates on Single 5V Supply (4.0 Watts Max)
- Half Size XT-type Multilayer Plug-in Board
- WatchDog Timer and Power Monitor
- 1K-bit E²Key Memory for Storing User Data
- Y2K Compliant

INX-386 SBC XT Size 386SX-40 Single Board Computer

INX-386 SBC

SPECIFICATIONS

CPU:	80C386SX-40MHz (internal to ALI 6117 Chip)
Co-processor:	None
Memory:	System Memory: 4MB on-board,expandable to 32MB (1) 72-pin SIMM Socket which supports 1MB, 2MB, 4MB, 8MB, 16 MB, or 32MB single-sided SIMMs
BIOS:	AMI with Internal Setup
I/O Bus:	ISA compatible bus (62-pin & 36-pin Edge Connectors).
DMA:	7 Channels (4 8-bit and 3 16-bit)
Timers:	3 Programmable
Interrupts:	16
Reset:	Controlled by on-board power detector and optional reset switch
I/0 Ports:	2 - RS-232 Serial Ports; Serial Port 2 can be configured as RS-422/485 1 - Parallel Printer Port 1 - PS/2 Compatible Keyboard Port 1 - 3.5"/5.25" Dual Floppy Disk Port 1 - IDE Hard Disk Port 1 - PS/2 Compatible Mouse Port 1 - WatchDog Timer: 1, 2, 10, 20, 110, or 220 seconds 1 - Speaker Port with on-board speaker 1 - Keylock & Power LED Port 1 - External Power Connector 1 - E^2Key 1Kb Non-volatile memory port
PROMDISK®:	1 - 32-pin socket supports MCSI PROMDISK-Chip™
Speed:	8-40MHz jumper selectable
Battery:	Lithium for CMOS RAM & Clock/Calendar
Size:	Half Size XT-type board 7.08"L X 4.2"H
Power:	+5VDC @ 0.8A

ORDERING INFORMATION

The INX-386 SBC can be ordered in the following configurations:

Part Number	Description
73000	INX-386SX/40 with 4MB DRAM

WARRANTY

All MCSI products carry a two-year unconditional warranty. Contact MCSI headquarters for OEM quantity purchase ordering information.

Specifications Subject to Change without Notice

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