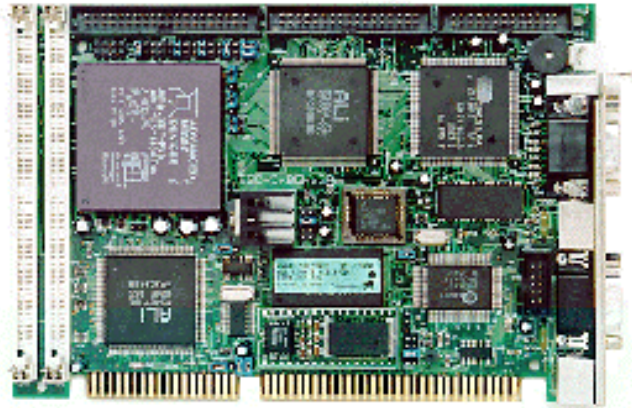
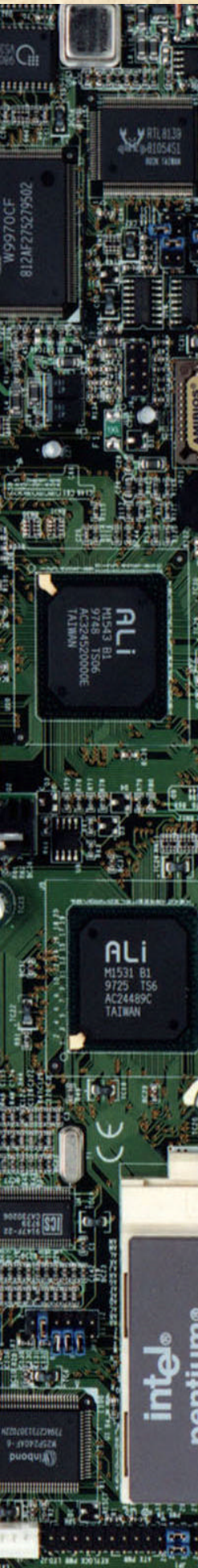


IHV-486/5x86 SBC



DESCRIPTION

The MCSI IHV-486/5x86 All-In-One Single Board Computer (SBC) is a high performance system board that provides the primary elements for building an IBM PC/AT compatible computer for a wide variety of embedded systems applications. The IHV-486/5x86 SBC contains all the basic elements found in a standard IBM PC/AT compatible desktop computer system, plus some unique features which make it ideally suited for industrial applications. The most outstanding features include: an on-board SVGA display controller, a WatchDog timer, an optional PROMDISK-Chip™ Disk Emulator, single +5VDC operation, and a compact half size form factor. The optional PROMDISK disk emulator comes complete with the ROM-DOS version 6.22 operating system, and emulates a bootable hard disk drive with capacities up to 32M-bytes. The WatchDog timer and PROMDISK-Chip makes the board ideally suited for controlling critical processes where unattended operation is essential. The compact half size form factor makes it ideally suited for embedded applications.

The IHV-486/5x86 SBC is fully compatible with the IBM PC/AT (ISA Bus) which means virtually all the software written for the IBM PC/AT will run on the IHV-486/5x86 SBC.

FEATURES

- IBM PC/AT Compatible Plug-in Computer
- Supports 3.3V/3.45V 486/5x86/DX2/DX4 and AMD/Cyrix Microprocessors to 133Mhz
- Includes 128K High Speed Cache Memory
- 64M-Byte Standard or EDO DRAM System Memory (2-72pin SIMMs)
- PS2/AT Compatible Keyboard and Mouse Port
- Two High Speed 16C550 Compatible RS-232 Serial Ports with ±15KV ESD Protection
- Super VGA PCI Local Bus Display Controller
- Optional 32MB PROMDISK-Chip™ Disk Emulator
- WatchDog Timer and Power Monitor
- Enhanced PCI Dual IDE Hard Disk Port
- Single +5VDC Operation
- AWARD BIOS with Internal SETUP
- ALI Chip Set
- Y2K Compliant

IHV-486/5x86 SBC Half-Size ISA SBC with VGA

IHV-486/5x86 SBC

SPECIFICATIONS

- CPU:** Supports: 486/5x86/DX2/DX4 and AMD/Cyrix 5x86 3.3V/3.45V microprocessors, up to 133MHz.
- Co-processor:** Internal to the 486 Chip
- Memory:** System Memory: Expandable to 64M-bytes. Supports: 512Kx36, 1Mx36, 2Mx36, 4Mx36, or 8Mx36 SIMMs using two 72-pin SIMM sockets. Both standard and high performance EDO DRAM is supported. Internal 8K-byte Data and 8K-byte Instruction Cache Memory. 128K High Speed Cache Memory.
- BIOS:** AWARD BIOS with Internal SETUP and ROM defaults
- I/O Bus:** ISA compatible
- 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/O Ports:**
2 - RS-232 Serial Ports
1 - Parallel Printer Port
1 - PS2 Keyboard Port
1 - On-board Speaker with Speaker Port
1 - Dual 3.5"/5.25" Floppy Disk Port
1 - Enhanced IDE Hard Disk Port
1 - WatchDog Timer
1 - PS2 Mouse Port
- PROMDISK®:** 1 - 32-pin socket supports MCSI PROMDISK-Chip™
- VGA Port:** Chipset: Cirrus CL-GD54M30
Bus: PCI Local Bus
VRAM: 1M-bytes
Resolution 1M VRAM: 1024x768 256 colors, 1280x1024 16 colors
Video Connector: CN8 rear connector
- Speed:** Up to 133MHz
- Battery:** Lithium for CMOS RAM & Clock/Calendar
- Size:** Half Size AT-type board 7.08"L X 4.8"H
- Power:** +5VDC @ 2.5A

ORDERING INFORMATION

The IHV-486/5x86 SBC can be ordered in the following configurations:

<i>Part Number</i>	<i>Description</i>
88000	IHV-486 without CPU
88010	486DX2/66
88020	486DX4/100
88030	5x86/133

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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