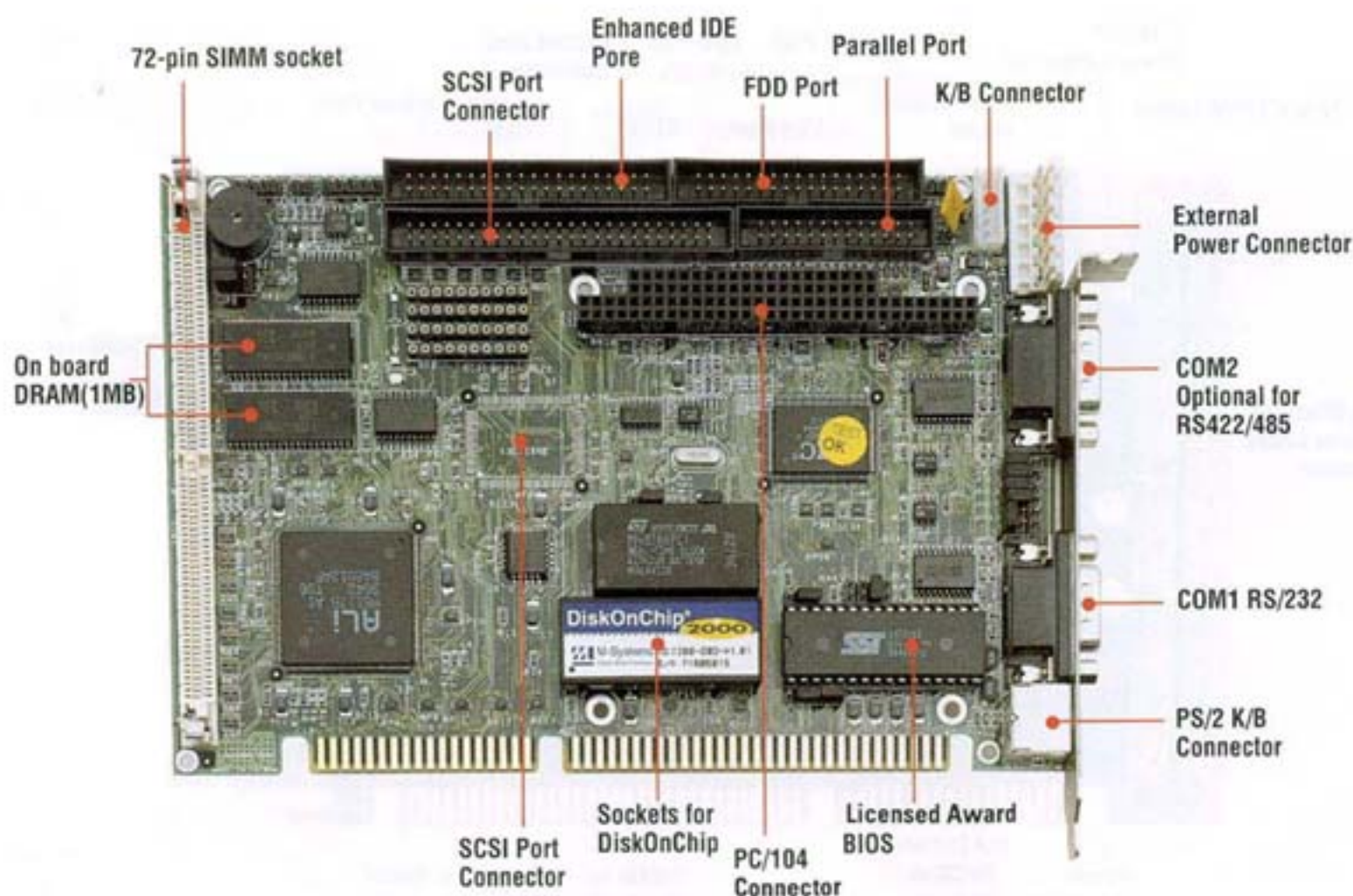


Omni-300

Advanced AIO 386SX EBC with SCSI and Flash Memory Disk



- 80386SX-40 based system board built with CPU and 1MB DRAM.
- PC/104 connector and mounting holes supported.
- Built-in RTC and programmable watch dog timer.
- Built with socket for Flash memory disk(DiskOnChip) up to 24MB.
- Reserve ISA bus gold finger for expansion.
- Complete PC I/O and SCSI (optional) on board.

Specifications

- **CPU**
 - Intel 386SX compatible CPU running at 40MHz clock(5.0 Volt).
- **DRAM**
 - 1MB DRAM on board.
 - Support one 72-pin SIMM sockets for FPM DRAM.
- **BIOS**
 - Licensed Award BIOS.
- **Chipset**
 - ALI M6117B 386SX embedded controller with CPU, core logic, KBC and PC interface built-in
- **Clock/Calendar**
 - Dallas DS-12887A with lithium battery backup for 10 years of data retention
- **Flash Memory Disk**
 - Reserved socket for DiskOnChip from M-system, support up to 24MB Flash memory disk
- **On Board I/O**
 - On board SMC 37C669 super I/O.
 - One bi-directional parallel port.
 - Up to 2 floppy drives supported.
 - One ISA IDE, supports two IDE HDD's

- **Serial Ports**
 - Two 16550 UART SIO's, with one optional for RS422/485.
- **Watchdog Timer**
 - BIOS setting, with 1, 2, 4, 8, 16, 32, 64 seconds time-out interval.
- **Dimension**
 - 185mm x 122mm.
- **Power Requirements**
 - +5V/4A, +12V/-12V@20mA
 - On board PC/104 connector and mounting holes reserved.
- **SCSI Controller**
 - SYMBIOS sym53c16 ISA fast SCSI master, with 10MB(Syn.) transfer rate
- **Operating Temperature**
 - 0 to 60C.

Ordering Guide

- **OMNI-300**
 - AIO 386SX-40 EBC with CPU/DRAM and socket for DiskOnChip.
- **OMNI-300S**
 - AIO 386SX-40 EBC with CPU/DRAM, SCSI and socket for DiskOnChip.