Omni-300

Advanced AIO 386SX EBC with SCSI and Flash Memory Disk

72-pin SIMM socket

Enhanced IDE Pore

Parallel Port

SCSI Port Connector

FDD Port

K/B Connector

External Power Connector

On board DRAM(1MB)

COM2 Optional for RS422/485

COM1 RS/232

PS/2 K/B Connector

DiskOnChip 2000

SCSI Port Connector

Sockets for DiskOnChip

PC/104 Connector

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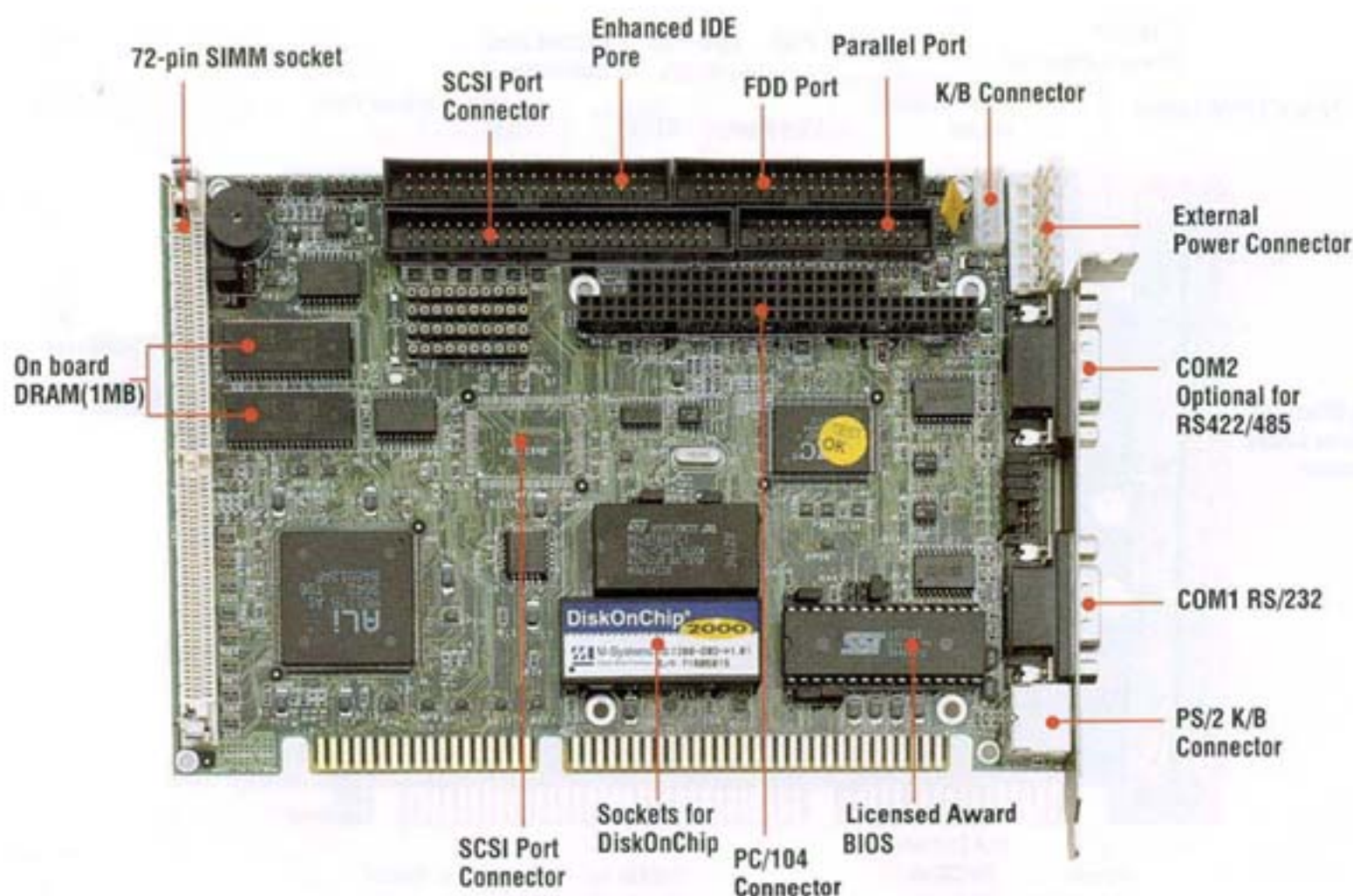
- 80386SX-40 based system board built with CPU and 1MB DRAM.
- PC/104 connector and mounting holes supported.
- Built-in RTC and programmable watch dog timer.
- Built with socket for Flash memory disk(DiskOnChip) up to 24MB.
- Reserve ISA bus gold finger for expansion.
- Complete PC I/O and SCSI (optional)on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