ROBO-308

Best Entry Level 386SX Micro-controller

IDE connector | RTC battery | FDC port
72-pin SIMM socket | Parallel port
PC/104 connector | External power connector
On-board 4MB EDO DRAM | COM1/RS-232
ALi I/O chip
PS/2 mouse connector
COM2/RS-232/422/485
PS/2 K/B connector
ALi M6117 single chip | DOC socket
Licensed AMI BIOS | External K/B connector
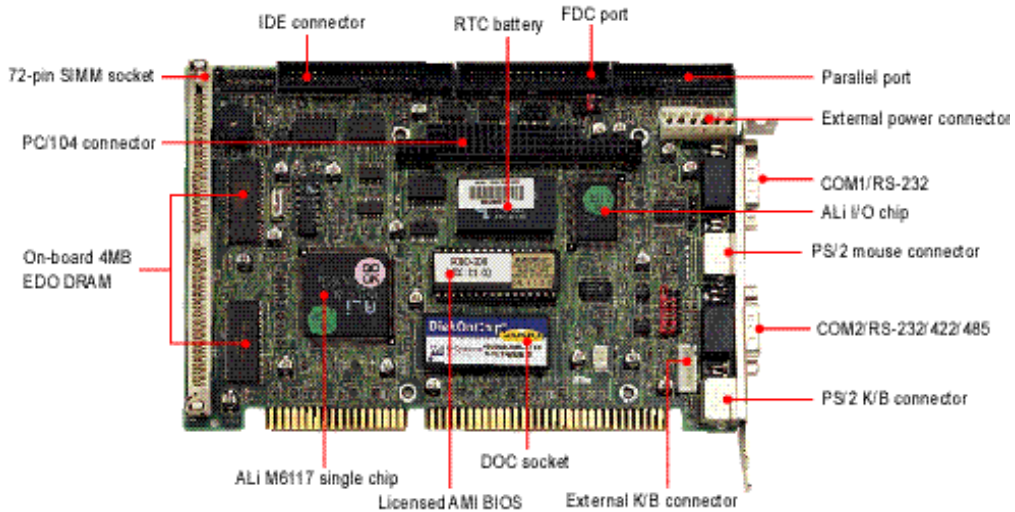
- 80386SX-40 based controller with on-board 4MB EDO DRAM

- One SIMM socket for expansion up to (max.) 16MB

- Adopt ALi M6117C chipset

- Built-in RTC and programmable WDT(Watchdog Timer)

- Support M-Systems' flash disk up to 288MB

- Support PC/104 connector, mounting holes and IrDA port

- Single +5V power supply

- High integration with CPU, core logic and PC I/O

Specifications

CPU
- Intel® 386SX compatible processors running at 40MHz clock

Memory
- On-board 4MB EDO DRAM
- Support one 72-pin SIMM socket for expansion (max. 16MB)

BIOS
- AMI BIOS

On-Board I/O
- On board ALi M5113 super I/O chipset
- One bi-directional parallel port
- One IrDA (infrared) port
- Up to 2 floppy drives supported
- One IDE port supports two IDE HDDs
- On-board PC/104 connector and mounting holes

Watchdog Timer
- BIOS setting, with 1, 2, 4, 8, 16, 32, 64 seconds time-out interval

Serial Ports
- Two 16550 UART SIO ports, with one optional for RS422/485

Clock/Calendar
- BQ3287A with lithium battery backup for 10-year data retention

Power Requirement
- +5V @ 1A

Board Dimension
- 185(L) x 122(W) mm
- 7.3"(L) x 4.8"(W)
- 4-layer PCB

Operating Temperature
- 0 to +55˚C

Additional Functionality

DiskOnChip Flash Disk
- Support M-Systems' flash memory disk up to 288MB

Ordering Guide

ROBO-308
AIO 386SX-40 EBC with CPU/DRAM and socket for DiskOnChip