ROBO-308

Best Entry Level 386SX Micro-controller

Labels on board image:
- IDE connector
- RTC battery
- FDC port
- 72-pin SIMM socket
- Parallel port
- PC/104 connector
- External power connector
- COM1/RS-232
- ALi I/O chip
- On-board 4MB EDO DRAM
- 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
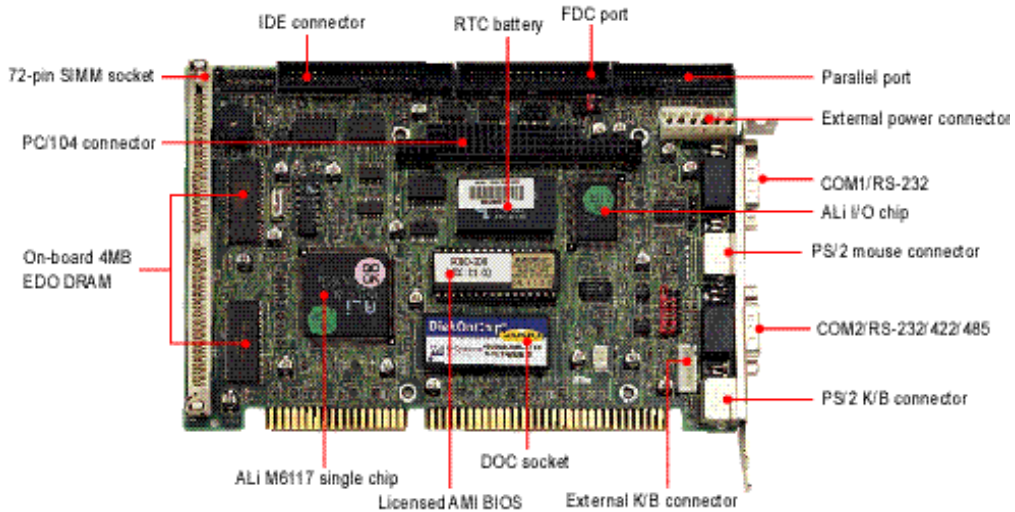
- ♦ 80386SX-40 based controller with on-board 4MB EDO DRAM
- ♦ One SIMM socket for expansion up to (max.) 16MB
- ♦ Adopt ALi M6117C chipset
- ♦ Built-in RTC and programmable WDT(Watchdog Timer)
- ♦ Support M-Systems' flash disk up to 288MB
- ♦ Support PC/104 connector, mounting holes and IrDA port
- ♦ 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