ROBO-495

Half-sized 486 AIO SBC with 5X86-133MHz Processor and Optional UMA VGA

Two 72-pin SIMM sockets
Panel display output
IDE connector
FDD port
COM2/RS-232
External power connector
Cyrix Media GX processor
Power regulator
Cyrix CX 5510 chipset
Licensed Award BIOS
Parallel port
5-pin header
VGA connector
PS/2 mouse connector
RTC battery
COM1/RS-232
DOC socket
PS/2 K/B connector
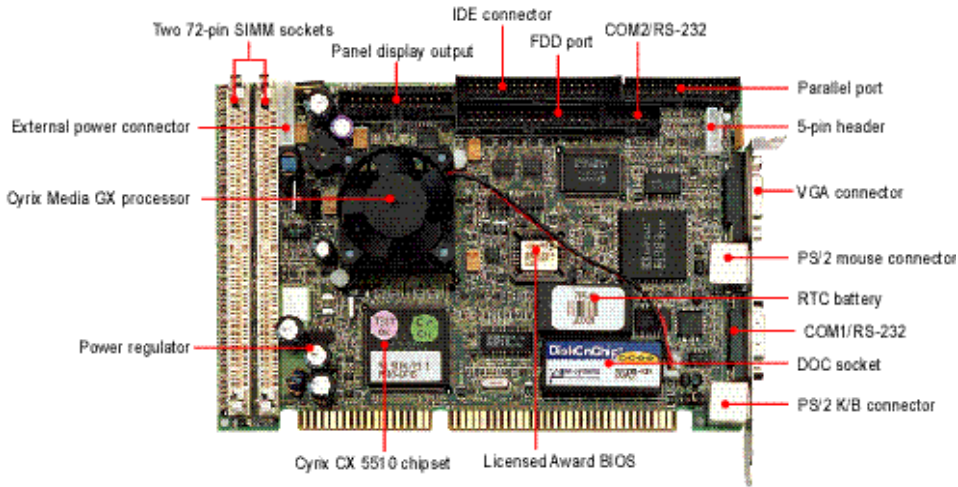
- The most high performance/cost effective SBC, based on the 486 processor
- Adopt Cyrix 133MHz processor to perform the function of a super 486 processor based SBC
- Adopt AWARD BIOS for Media GX and VGA BIOS from Cyrix
- Support up to 64MB FPM and EDO DRAM
- Equipped with 16KB L1 cache memory in Media GX
- Support UMA VGA display for Windows based O/S
- Optional flat panel display kit for TFT display
- An extra ISA VGA card needed for the system operation under non-Windows based (such as DOS) environment
- One DOC socket supports up to 288MB of flash memory
- On-board W83977TF super I/O with two RS232 serial ports
- Best solution for compact controller

Specifications

CPU
- Cyrix® Media GX Pentium® compatible chipset
- 133MHz at 3.3V power input

Memory
- Support 8MB up to 64MB (max.) of FPM and EDO DRAM

Cash Memory
- 16KB L1 cache in Media GX

BIOS
- AWARD BIOS for Media GX and VGA BIOS from Cyrix

On-Board I/O
- On-board Winbond W83977ATF super I/O with two RS232 serial ports

Watchdog Timer
- 1, 2, 4, 8, 16, 32, 64 seconds hardware time-out intervals

Power Requirement
- +5V@3A (typ.),+12V@1A, -12V@50mA

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

Operating Temperature
- 0 to +55˚C

Storage Temperature
- -40 to +75˚C

Connector
- Support Mini DIN, 5-pin header & PS/2 type keyboard connector
- Support external power connector

Additional Functionality

On-Board VGA/Panel Display
- UMA with frame buffer compression
- TFT vendors support Sharp, Hitachi, NEC and Hosiben
- Maximum resolution:
    - 800x600(high color)/70Hz
    - 1024x768(256 color)/60Hz
- VGA drivers supported: Win-95, Windows NT, ... etc
- Extra ISA VGA Card is needed for the system operation under non-Windows (such as DOS) environment

Ordering Guide

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Half-sized 486 AIO SBC, based on the 5X86-133MHz processor and optional VGA display