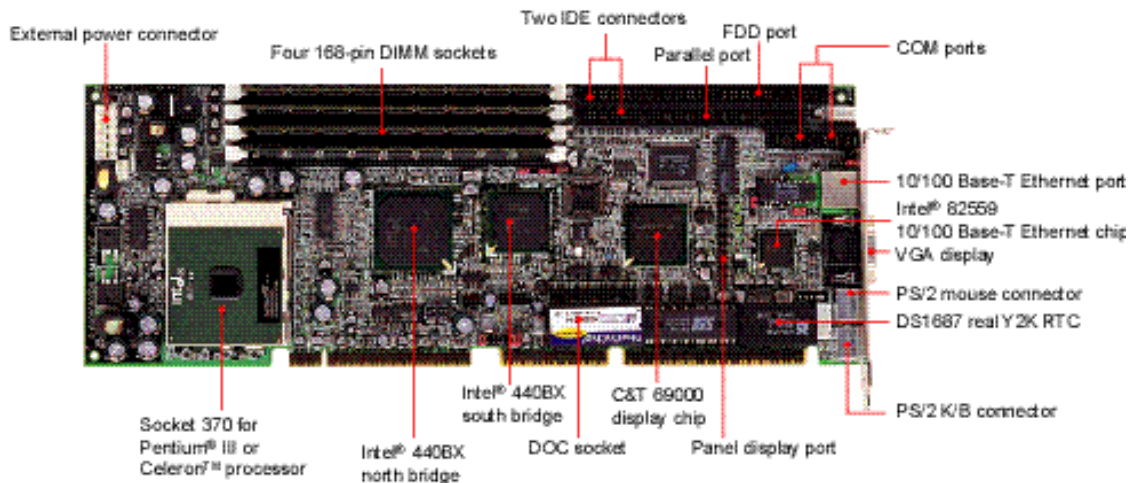


ROBO-698

High-integrated PICMG AIO SBC, Based on the Intel® Pentium® III or Celeron™ Processor



- Intel® 440BX AGPset supports 66/100MHz FSB for Socket 370 type Pentium® III processor up to 850MHz or Celeron™ processors up to 600MHz
- On-board AGP VGA with 2MB VRAM inside and 10/100 Base-T Ethernet
- On-board 4 DIMM sockets support up to 1GB of system memory with ECC function
- Socket 370 type processors are more rugged than traditional Slot 1 Pentium® III processors
- PC '98, PICMG 2.0 and PCI V2.1 industrial standard compliant
- One DOC socket for booting Windows NT directly
- Adopt DS1687 RTC to support real Y2K compliance
- System monitoring and protection

Specifications

CPU

- Support Intel® Socket 370 type Pentium® III processors up to 850MHz
- Support Intel® Celeron™ processors up to 600MHz

Chipset

- Intel® 82440BX AGPset

Memory

- Four 168-pin DIMM sockets support up to 1GB of SDRAM with ECC function

BIOS

- AMI system BIOS (256KB flash ROM)

On-Board I/O

- On-board Winbond W83977ATF super I/O with two USB ports and one IrDA infrared port

Watchdog Timer

- 8 time intervals from 0.5 sec. to 64 sec. by jumper setting or 255 intervals from 0.5 min. to 254.5 min. by software programming

Power Requirement

- +5V@6A (typ.), +12V@140mA, -12V@30mA

Board Dimension

- 338.5(L) x 122(W) mm
- 13.33"(L) x 4.8"(W)
- 6-layer PCB

Operating Temperature

- 0 to +55°C

Connector

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

Additional Functionality

On-board VGA

- Intel® C&T 69000 chipset with built-in 2MB SDRAM
- Support display mode up to resolution 1280x1024 and refresh rate 60Hz
- Support TFT/DSTN flat panel or CRT display simultaneously

On-Board 10/100 Base-T Ethernet

- Built with Intel® 82559 Ethernet chip to support 10/100 Base-T connecting capability

DiskOnChip Flash Disk

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

ISA64 ISA-bus Driving Capability

- Support 64mA high driving capability for ISA-bus slot on backplane

ATX Power Control

- Modem-Ring-On and Wake-On-LAN

Ordering Guide

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High-integrated PICMG AIO SBC with VGA display and 10/100 Base-T Ethernet, based on the Intel® Pentium® III or Celeron™ processor