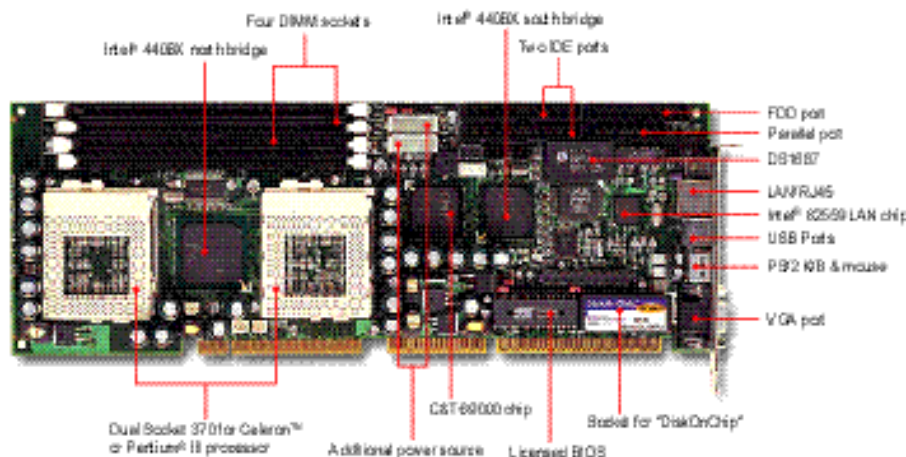


ROBO-668

Advanced PICMG SBC with On-Board AGP VGA, Fast Ethernet, Based on the Dual Socket 370 Processor



- ◆ Support Intel® Pentium® III or Celeron™ processor with 66/100MHz FSB
- ◆ Single or dual processors
- ◆ Support C&T 69000 chips
- ◆ Intel® 82440BX chipset
- ◆ Support up to 1GB of SDRAM memory with ECC function
- ◆ C&T 69000 AGP VGA display with 2MB SDRAM
- ◆ Intel® 82559 Fast Ethernet
- ◆ Proprietary PCI connector for expansion (optional daughter board provided, such as Ultra-160 SCSI or Fast Ethernet)
- ◆ Two EIDE, two serial ports, parallel port, two USB ports
- ◆ Watchdog Timer
- ◆ System hardware monitoring
- ◆ Full-size all-in-one SBC with PICMG 2.0 compliant
- ◆ Fully PCI Bus spec. V2.1 compliant

Specifications

CPU

- ◆ One or dual Intel® Pentium® III or Celeron™ processors for Socket 370 (only support dual PPGA Celeron processor)

Chipset

- ◆ Intel® 82440 BX chipset

Memory

- ◆ Four 168-pin DIMM sockets support up to 1GB of PC-100 SDRAM

BIOS

- ◆ AMI system BIOS (256KB flash ROM)

On-Board I/O

- ◆ On-board Winbond W83977ATF super I/O with two USB ports

Watchdog Timer

- ◆ Watchdog timeout period programmable via S/W from 0.5 to 254.5 sec./min.

PS/2 Keyboard/Mouse

- ◆ Single 6-pin mini-DIN Keyboard/mouse connector on rear bracket
- ◆ One additional 5-pin header connector for external keyboard connection through the backplane

Power Requirement

- ◆ +5V@10A, +12V@80mA, -12V@20mA

Board Dimension

- ◆ 339.5(L) x 122(W) mm
- ◆ 13.36"(L) x 4.8"(W)
- ◆ 8-layer PCB

Operating Temperature

- ◆ 0 to +55°C

Additional Functionality

On board AGP Graphics

- ◆ C&T 69000 Video display chipset
- ◆ Built-in 2MB display Cache
- ◆ DSUB-15 VGA connector
- ◆ Support display resolution up to 1280x1024, 256 colors

On-board Fast 10/100 Base-T Ethernet

- ◆ Intel® 82559 PCI fast Ethernet controller
- ◆ RJ-45 connector at the rear panel
- ◆ Support IEEE 802.3 auto-negotiation algorithm of full-duplex and half-duplex operation for 10Mb/s and 100Mb/s (NWAY)

Ultra 160 SCSI (Optional)

- ◆ Adaptec AIC 7892 single channel Ultra 160 SCSI controller

DiskOnChip Flash Disk

- ◆ Support M-Systems' DOC up to 288MB

ISA64 ISA-bus Driving Capability

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

System Hardware Monitor

- ◆ On-board temperature and voltages monitoring
- ◆ Beep alarms for failed fan out, over/under voltage of DC voltages, and over temperature threshold

Ordering Guide

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