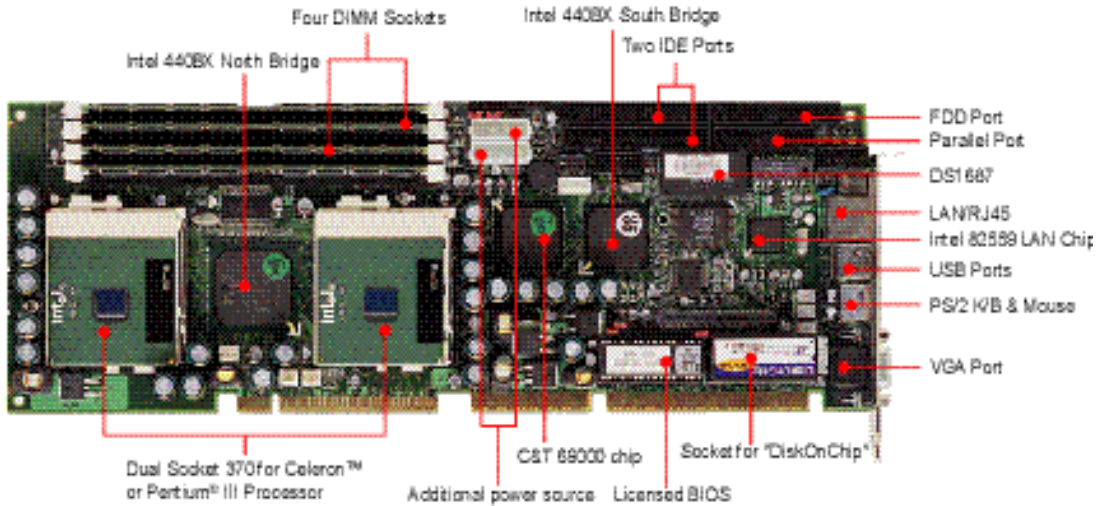


ROBO-668

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 port, 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
- ISA64 driving capability

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 Portwell 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

Storage Temperature

- -20 to +75°C

Relative Humidity

- 5% to 95%, non-condensing

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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