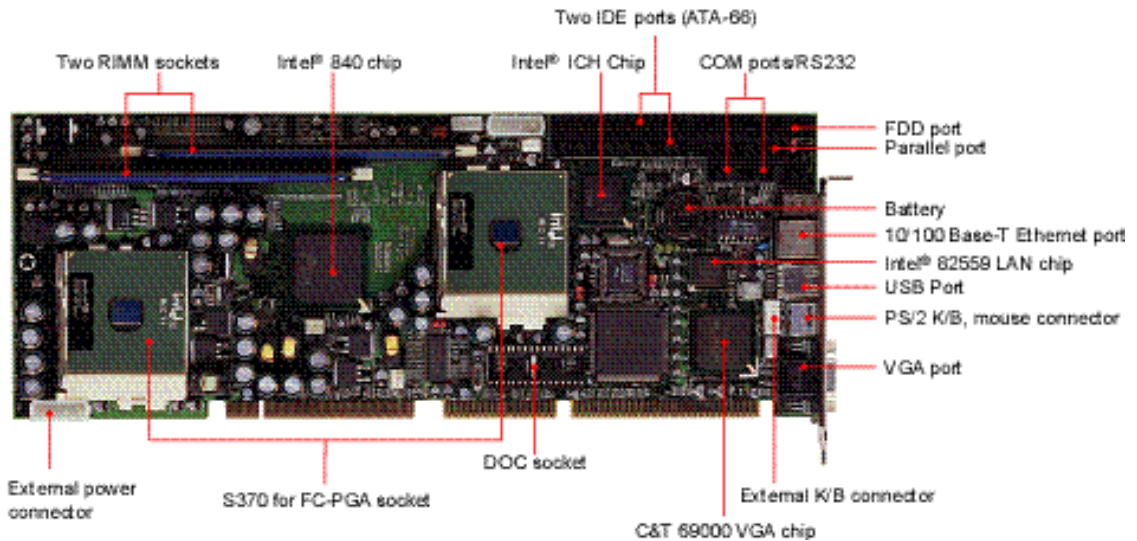


ACTI-777

The Most Advanced PICMG SBC Based on Dual Intel® Pentium® III Processors with Intel Graphics and Ethernet Solutions (RIMM Memory Supported)



- ◆ Support dual Socket 370 Pentium® III (FC-PGA) processor with 100MHz FSB up to 850MHz
- ◆ Support two channel RDRAM memory up to 2GB
- ◆ Support C&T 69000 chips
- ◆ On board Intel® 82559 10/100 Base-T Ethernet
- ◆ Support Ultra DMA33/66 IDE mode
- ◆ PCI Bus spec V2.1 compliant
- ◆ Full-sized all-in-one SBC with PICMG 2.0 compliant
- ◆ Reserve space around IDE interface connector to fit DOM (Disk-On-Module)
- ◆ Fully support ATX function with WOL, Modem-Ring On, K/B & Mouse wake-up
- ◆ ISA64 driving capability

Specifications

CPU

- ◆ Support one or two Intel® Pentium® III processors for the PGA370 Socket

Chipset

- ◆ Intel® i810 AGPset, including
 - 82840 memory controller hub (MCH)
 - 82801 I/O controller hub (ICH)
 - 82802 firmware hub (FWH)

Memory

- ◆ Two 184-pin RIMM sockets with max. 2GB capacity

BIOS

- ◆ Award BIOS-Plug-n-Play compatible

On-Board I/O

- ◆ Support two EIDE channels up to four HDDs (Ultra DMA 33/66) 2S/1P, two USB ports and one IrDA infrared port

Watchdog Timer

- ◆ Watchdog timeout period programmable via S/W from 0.5 to 254.5 sec./min.
- ◆ Can be enabled/disabled by jumper setting

PS/2 Mouse

- ◆ Routed to 6-pin mini-DIN on rear bracket
- ◆ Shared 6-pin mini-DIN connector with K/B (Auto-swap)

Power Requirement

- ◆ +5V@10A (typ.), +12V@300mA, -12V@30mA

Board Dimension

- ◆ 338.5(L) x 129(W) mm
- ◆ 13.33"(L) x 5.1"(W)
- ◆ 8-layer PCB

Operating Temperature

- ◆ 0 to +55°C

Additional Functionality

Integrated Graphics Controller

- ◆ C&T 69000 Video display chipset
- ◆ Adopt PCI interface, built-in 2MB VRAM
- ◆ DB15 connector at the rear panel
- ◆ Support display resolution up to 1280x1024x8 bit

Ethernet 10/100 Controller

- ◆ 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)

DiskOnChip Flash Disk

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

System Hardware Monitor

- ◆ Winbond super I/O is used to monitor supply voltages to user programmable voltage levels within 16 mV
- ◆ Separately monitor up to three fan tachometer inputs for rotation speeds and three temperatures sense via two thermistors circuit
- ◆ Beep alarms for failed fan out, over/under voltage of DC voltages, and over temperature threshold

Ordering Guide

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