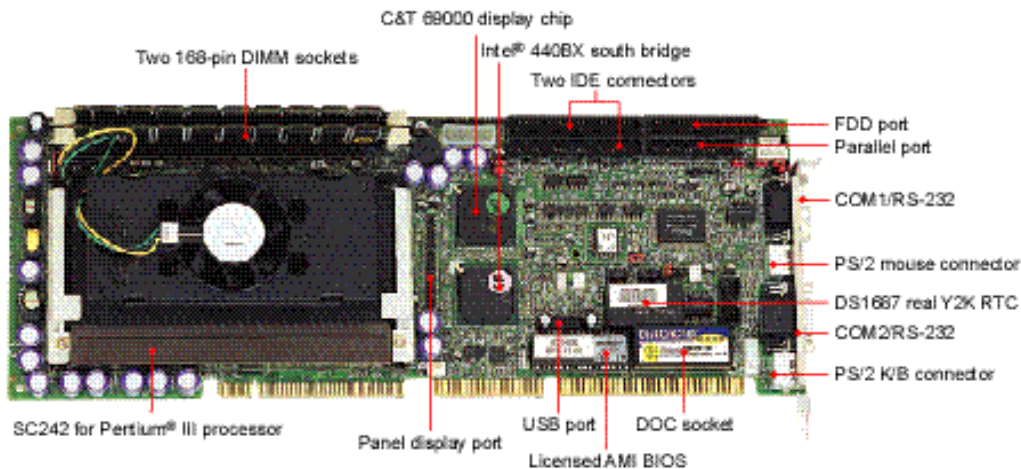


ACTI-648

Advanced PICMG SBC with On-board AGP VGA, Based on the Pentium® III Processor



Single Board Computer



- Support dual Pentium® III processors for the SC242 up to 850MHz
- Support up to 512MB (max.) of SDRAM with ECC function
- Support AGP VGA/Panel display up to 2MB VRAM
- Full-sized all-in-one SBC with PICMG 2.0 compliance
- PCI Bus spec. V2.1 compliant
- PC '98 & Year 2000 compliant
- ISA64 driving capability
- All electrolytic capacitors adopt 105°C for safety consideration

Specifications

CPU

- Support dual Intel® Pentium® III processors up to 850MHz

Chipset

- Intel® 82440BX AGPset

Memory

- Two 168-pin DIMM sockets support up to 512MB (max.) of 3.3V SDRAM with ECC function

BIOS

- AMI system BIOS (256KB flash ROM)

On-Board I/O

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

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@10A (typ.), +12V@80mA, -12V@20mA

Board Dimension

- 339.5(L) x 122(W) mm
- 13.37"(L) x 4.8"(W)
- 8-layer PCB (Single-sided component)

Operating Temperature

- 0 to +55°C

Connector

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

Additional Functionality

Optional On-board VGA

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

ISA64 ISA-bus Driving Capability

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

System Hardware Monitoring (LM79)

- Monitor CPU & chassis fan status, system temperature and DC voltage

Wake-On-LAN & Modem-Ring-On

- Support ATX function with 4-pin header to connect to backplane
- Standby 3-pin header to support LAN card

Ordering Guide

ACTI-648

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(Per customers' request)

ACTI-648L

ACTI-648 with normal capacitor for cost saving

