ACTI-888

World's First PICMG Dual-processor AIO SBC, Based on the Pentium® III Xeon™ Processor

External power connector | Four 168-pin DIMM sockets | Intel® 440GX south bridge | Two IDE connectors
Power regulator module | Intel® 440GX north bridge | Real Y2K RTC | DOC socket
COM1/RS-232 | PS/2 mouse connector | COM2/RS-232 | PS/2 K/B connector
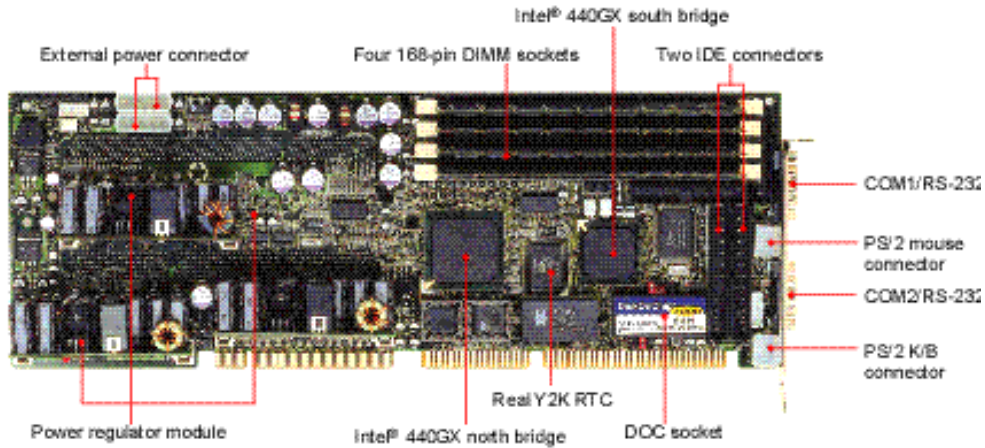
- ♦ Support dual Pentium® III Xeon™ for the SC330 processors up to 800MHz

- ♦ Adopt specially designed CPU braces to make the board more rugged

- ♦ PC '98, PCI V2.1 & PICMG 2.0 industrial standard compliant

- ♦ One DOC socket for booting Windows NT directly

- ♦ 512KB SDRAM built-in L2 cache inside the embedded module with a Pentium® III Xeon™ processor

- ♦ Adopt DS1687 RTC to support real Y2K compliance

- ♦ ECC (Error Checking & Correction) & DIMM SPD (Serial Presence Detect)

- ♦ Support three VRM 8.3 to have the best stability

- ♦ Target multi-processor O/S:
  - Windows NT advanced Server
  - Novell Netware
  - OS/2 Warp server
  - SCO Open server

Specifications

CPU
- ♦ Dual set-up for Intel® Pentium® III Xeon™ processors up to 800MHz

Chipset
- ♦ Intel® 82440GX AGPset with MMX™ technology

Memory
- ♦ Four 168-pin DIMM sockets support up to 2GB of 3.3V PC-100 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

Auxiliary I/O
- ♦ One 2-pin system reset switch
- ♦ One 4-pin external speaker interface
- ♦ One 5-pin key lock header
- ♦ One 2-pin HDD active indicator interface
- ♦ One 4-pin ATX power control interface

Watchdog Timer
- ♦ 1, 2, 4, 8, 16, 32, 64 seconds time-out interval

Power Requirement
- ♦ +5V@4A (typical),+12V@3.2A (typical) -12V@30mA

Board Dimension
- ♦ 339.5(L) x 122(W) mm
- ♦ 13.37"(L) x 4.8"(W)
- ♦ 8-layer PCB
- ♦ Space needed: **13.36"(L) x 5.2"(W)**

Operating Temperature
- ♦ 0 to +55˚C

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

Additional Functionality

DiskOnChip Flash Disk
- ♦ Support M-Systems' flash disk up to 288MB

System Monitoring / Protection
- ♦ Auto speeds down when system overheats
- ♦ ADM 9240 on board to have thermal sensor, two FAN speed monitoring connectors and 7 voltage input
- ♦ Wake-On-LAN & Modem-Ring-On

Ordering Guide

ACTI-888
Advanced PCI/ISA dual-processor AIO SBC, based on the Pentium® III Xeon™ processor