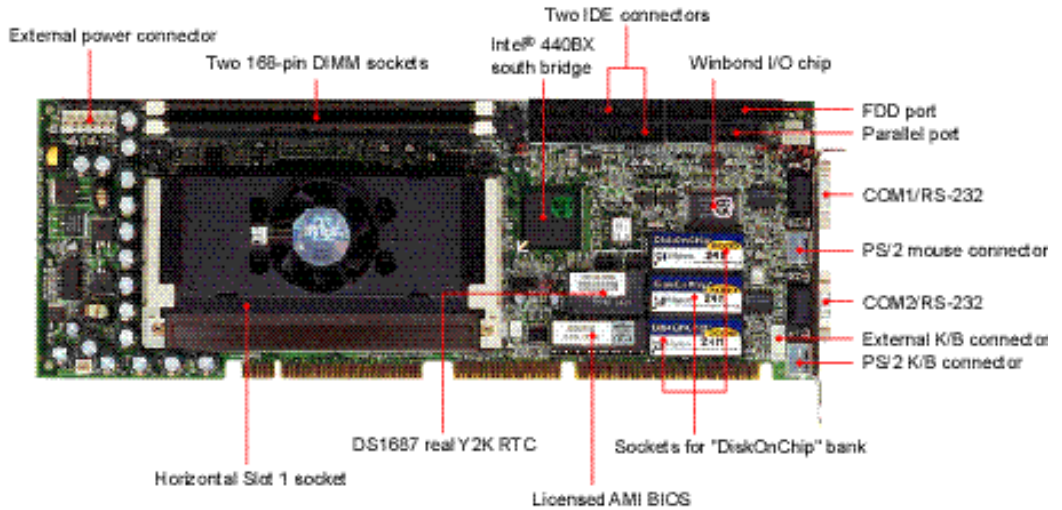


ROBO-618

Real Rugged SBC with Flash Disk Bank, Based on the Pentium® III Processor



Single Board Computer



- Support Intel® Pentium® III processors for the SC242 up to 850MHz
- Intel® 440BX AGPset supports up to 512MB of SDRAM with 100MHz memory bus and ECC function
- Adopt flush mounted Slot 1 CPU architecture to make the board more rugged and reliable
- PC '98, PICMG 2.0 and PCI V2.1 industrial standard compliant
- Reserve three DiskOnChip sockets to form a flash disk bank
- 256KB/512KB SDRAM built-in L2 cache inside the embedded module with a Pentium® III processor
- Adopt DS1687 RTC to support real Y2K compliance
- Support ISA high driving capability and ATX power control

Specifications

CPU

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

Chipset

- Intel® 82440BX AGPset with MMX™ technology and optimized SDRAM

Memory

- Two 168-pin DIMM sockets support up to 512MB of SDRAM with ECC function

BIOS

- AMI system BIOS (128KB flash ROM)

On-Board I/O

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

Watchdog Timer

- Eight segment (0.5, 1, 2, 4, 8, 16, 32, 64 seconds) hardware time-out intervals and software programmable up to 254.5 min.(resolution 1 min.)

Power Requirement

- +5V@6A, +12V@0.1A, -12V@30mA

Board Dimension

- 339.5(L) x 122(W) mm
- 13.37"(L) x 4.8"(W)
- 6-layer PCB

Operating Temperature

- 0 to +55°C

Connector

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

Additional Functionality

DiskOnChip Flash Disk Bank

- Three DiskOnChip sockets support up to 864MB of flash disk memory
- All sockets can be linked as a single bank of 288MB
- Compact Windows NT can be built into the 16MB DOC for booting the system directly

ISA-bus Driving Capability

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

Fully ATX Power Control

- Modem-Ring-On and Wake-On-LAN

Ordering Guide

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Advanced PCI/ISA AIO SBC with flash disk bank, based on the Pentium® III processor