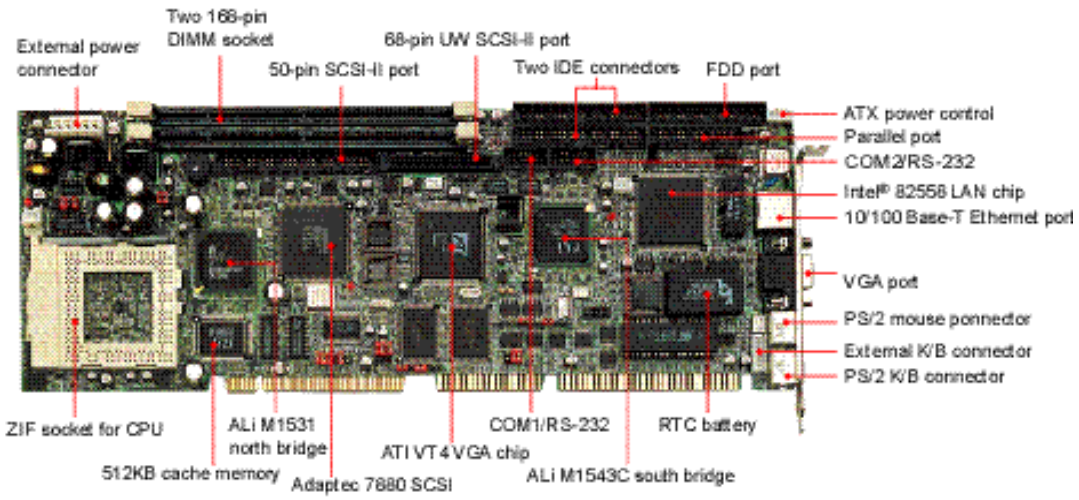
ROBO-578

Highly Integrated SBC with VGA/Ethernet/UW SCSI, Based on the Pentium® Processor



- Support Pentium® compatible processors up to 333MHz
- Adopt ALi® M1531/1543C chipset and support 66/75/83.3 MHz FSB
- Two DIMM SDRAM sockets support up to 512MB
- On-board 512 KB cache memory
- On-board 2D ATI VT4 PCI VGA display with 2MB/4MB VRAM
- On-board Intel® 82558 10/100 Base-T Ethernet
- On-board Adaptec 7880 Ultra-wide SCSI adapter for 40MB/S
- Support ATX power control and CPU overheat protection
- Support high ISA-bus driving capability
- Built-in RTC and configurable WDT (Watchdog Timer)
- 1.8V~3.5V power regulator range
- USB ports support

Specifications

CPU
- Support Intel® P55C processors up to 233MHz
- AMD K6 processors up to 333MHz
- Cyrix M1/M2 processors up to 400MHz

Chipset
- ALi® M1531/1543C chipset

Memory
- Two 168-pin DIMM sockets support up to 512MB of SDRAM

Cash Memory
- 512KB pipeline burst SRAM, cacheable up to 256MB

BIOS
- AMI PCI/ISA Pentium BIOS

On-Board I/O
- On-board 2xIDE/FDC/2S/1P, K/B and mouse with two USB ports and one IrDA infrared port

Watchdog Timer
- Eight segment (0.5, 1, 2, 4, 8, 16, 32, 64 seconds) hardware time-out intervals

Power Requirement
- +5V@6A,+12V@70mA

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

Relative Humidity
- 5 to 95% non-condensing

Additional Functionality

PCI Bus VGA Display
- On-board 2D ATI VT4 VGA display chipset with 2/4MB VRAM

On-Board 10/100 Base-T Ethernet
- Built with Intel® 82558 Ethernet chip to support 10/100 Base-T connecting capability

On-Board Ultra Wide SCSI
- Adaptec AIC 7880 SCSI controller
- Ultra Wide SCSI transfer rate:
  - 8-bit (narrow): 20MB/s
  - 16-bit (wide): 40MB/s
- 15 devices connectivity
- Drivers supported: DOS, Windows 95, Windows NT, Novell Netware, SCO Unix, OS/2 Warp 3.0, ... etc

Fully ATX Power Control
- Modem-Ring-On and Wake-On-LAN

Ordering Guide

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ROBO-578Z
ROBO-578 without SCSI function

ROBO-578W
ROBO-578Z without Ethernet function

Single Board Computer