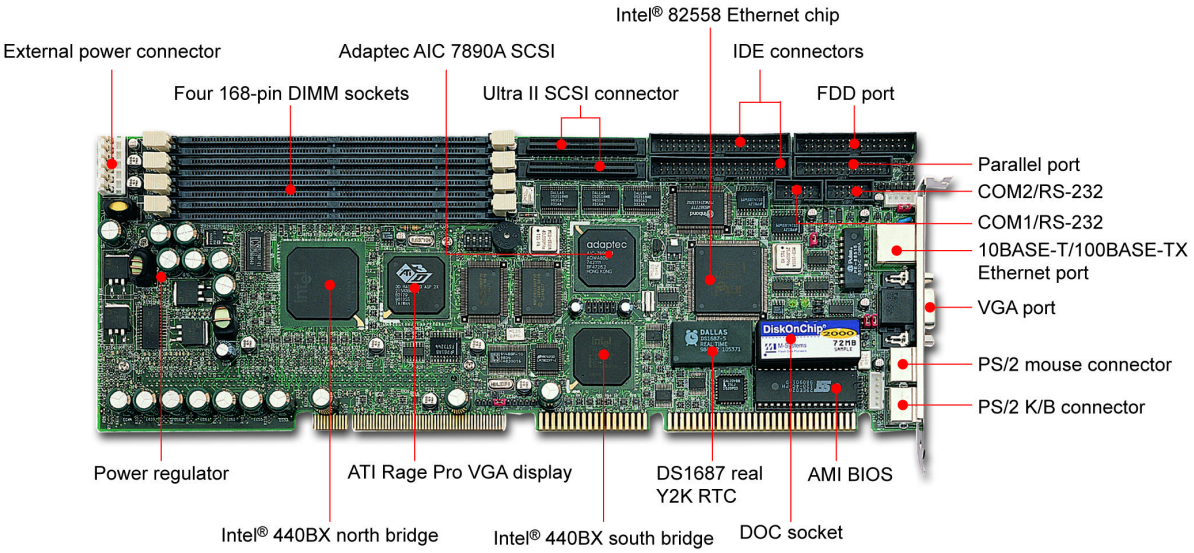
ROBO-638

Intel® Pentium® III processor based PICMG SBC with AGP VGA, Fast Ethernet and Ultra 2 SCSI



Feature

- Rugged and reliable design of flush mounted Slot 1 CPU architecture for high speed Intel® Pentium® III processor
- Intel® 440BX AGPset, the most stable and highly market recgnzed chipset from Intel®
- PC100 MHz SDRAM for cost effective memory support
- ECC function for data sensitive application
- ATI Rage Pro AGP VGA display with 4/8 MB VRAM delivers superior 2D and 3D performance
- On-board Intel® 10BASE-T/100BASE-TX Fast Ethernet for high speed data transfers
- On-board Adaptec-7890A Ultra 2 SCSI controller for high performance storage
- Standard features for embedded system, like H/W monitoring, WDT, SSD and Wake-on-LAN

Specifications

CPU	Intel® Pentium® III (Slot 1) processor
System Bus Frequency	66/100 MHz
Chipset	Intel® 82440BX AGPset
Memory	- Up to 1GB PC100 SDRAM on four 168-pin DIMM sockets
	- ECC support
L2 Cache Memory	Built-in CPU
BIOS	AMI BIOS
On-Board I/O	- On-board Winbond W83977ATF super I/O
	- Support for four EIDE devices with Ultra DMA/33
	- Up to two floppy disk drives
	- Two serial, one parallel, one IrDA and two USB ports
Watchdog Timer	- Programmable via software from 0.5 sec. to 254.5 min.
	- Adjustable via hardware jumper setting from 0.5 sec. to 64 sec.
Keyboard/Mouse	- One mini-DIN 6-pin connector for keyboard and mouse
	- One 5-pin header for external keyboard connection
ISA Bus	64mA high drivig ISA bus interface to backplane for legacy ISA slots
Hardware Monitor	System monitor (fan, temperature, voltage)
ACPI Function	- ATX function with 4-pin header connect to backplane
	- Modem-Ring-On and Wake-On-LAN
Power Consumption	+5V@9A (typ.) ; +12V@100mA, -12V@30mA
Approval	FCC, CE class A
Board Dimension	- 339.5(L) x 122(W) mm ; 13.37"(L) x 4.8"(W)
	- 8-layer PCB
Operating Temperature	0 to 55 ˚C
Storage Temperature	-20 to 75 ˚C
Relative Humidity	5% to 95%, non-condensing

Ordering Guide

ROBO-638	Intel® Pentium® III processor based PICMG SBC with AGP VGA, LAN and Ultra 2 SCSI
ROBO-638Z	Intel® Pentium® III processor based PICMG SBC with AGP VGA and LAN

Additional Functionality

Display	- ATI Rage Pro graphics controller
	- Display resolution up to 1600 x 1200 @ 85Hz
	- DVD and Video support
	- Support for high quality NTSC & PAL TV-out
	- Superior 2D and 3D performance
Ethernet	- 10BASE-T/100BASE-TX Ethernet
	- IEEE 802.3u auto-negotiation support
	- One RJ-45 connector
Solid State Disk	DOC socket for up to 288 MB
SCSI	Adaptec AIC 7890A Ultra 2 SCSI controller