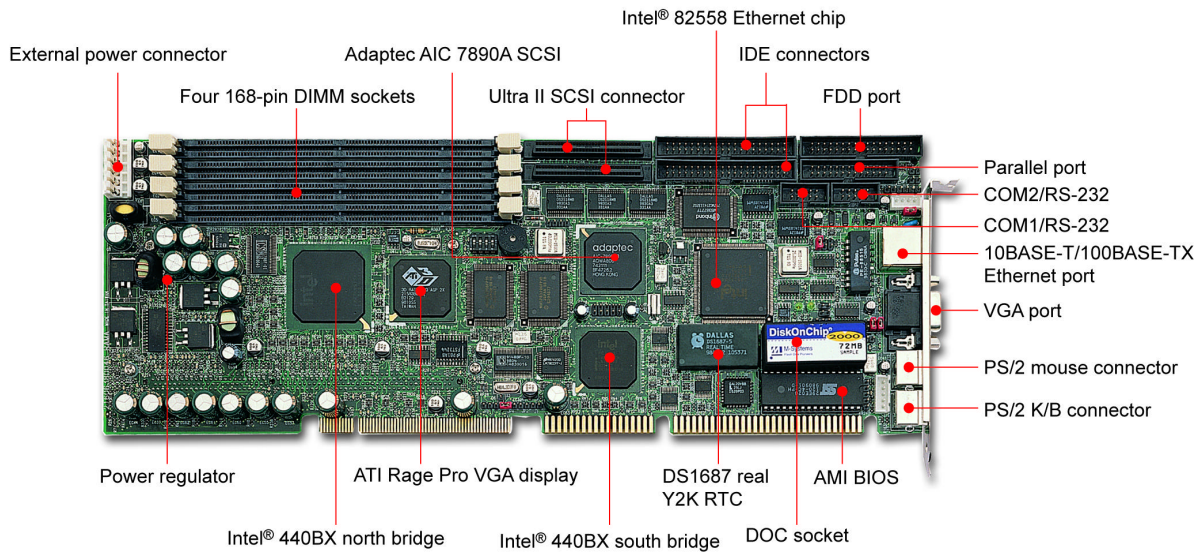


# ROBO-638

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 recognized 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

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

<b>Display</b>	- 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
<b>Ethernet</b>	- 10BASE-T/100BASE-TX Ethernet - IEEE 802.3u auto-negotiation support - One RJ-45 connector
<b>Solid State Disk</b>	DOC socket for up to 288 MB
<b>SCSI</b>	Adaptec AIC 7890A Ultra 2 SCSI controller