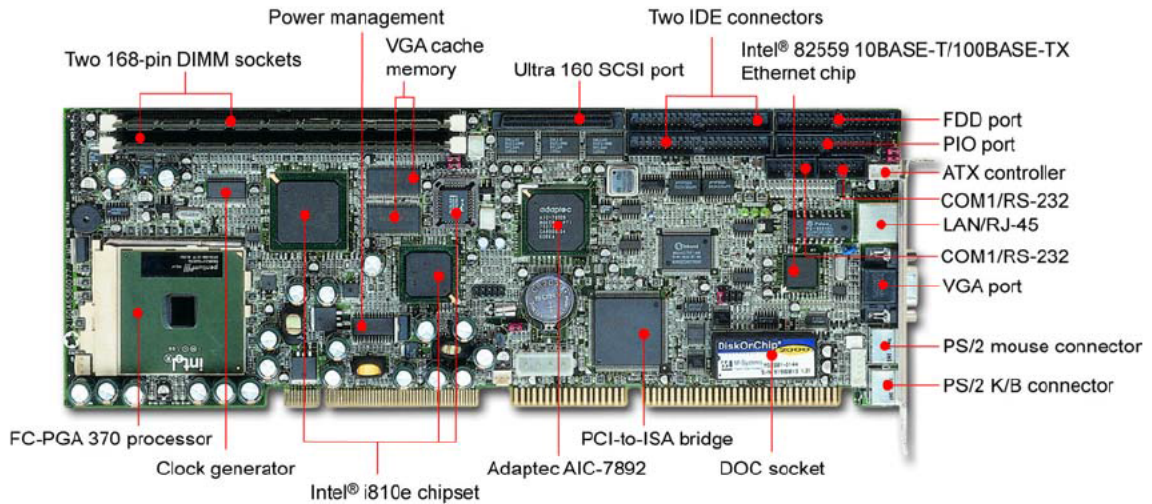


# ROBO-658

Intel® Pentium® III Celeron® processor based PICMG SBC with VGA, Ethernet and Ultra 160 SCSI



## Feature

- Reliable design for high speed Intel® Pentium® III or Celeron® processor
- Intel® 810E AGPset with built-in graphics technology offers integrated graphics performance with more efficient memory utilization and direct AGP
- PC100 MHz SDRAM for cost effective memory support
- Built-in graphics technology with 4MB display cache for vivid 2D/3D graphics support and cost saving solution
- On-board dual Intel® 10BASE-T/100BASE-TX Fast Ethernet for high speed data transfers
- Standard features for embedded system, like H/W monitoring, WDT, SSD and Wake-on-LAN
- One DOC socket for booting Windows NT directly
- On-board Adaptec AIC 7892 Ultra 160 SCSI controller for high performance storage

## Specifications

<b>CPU</b>	- Intel® Pentium® III processors in the FC-PGA 370 package - Intel® Celeron® processors in the PPGA & FC-PGA 370 package
<b>System Bus Frequency</b>	66/100 MHz
<b>Chipset</b>	Intel® 810E AGPset
<b>Memory</b>	Up to 512MB PC100 SDRAM on two 168-pin DIMM sockets
<b>BIOS</b>	AMI BIOS
<b>On-Board I/O</b>	- On-board Winbond W83627HF super I/O - Support for four EIDE devices with Ultra DMA/33/66 - 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@6A (typ.) ; +12V@100mA, -12V@30mA
<b>Approval</b>	FCC, CE class A
<b>Board Dimension</b>	- 338.5(L) x 122(W) mm ; 13.33"(L) x 4.8"(W) - 6-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-658

Intel® Pentium® III or Celeron® processor based SBC with VGA, Ethernet and SCSI

### ROBO-658Z

Intel® Pentium® III or Celeron® processor based SBC with VGA and Ethernet

### ROBO-658W

Intel® Pentium® III or Celeron® processor based SBC with VGA

## Additional Functionality

<b>Display</b>	- Intel® 810E AGPset with built-in graphics technology - 4MB display memory - 2D graphics display resolution up to 1600x1200 - Full 2D H/W acceleration, 100MHz SDRAM interface - 3D hyper pipelined architecture
<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 288MB
<b>SCSI</b>	Adaptec AIC 7892 single channel Ultra 160 SCSI controller