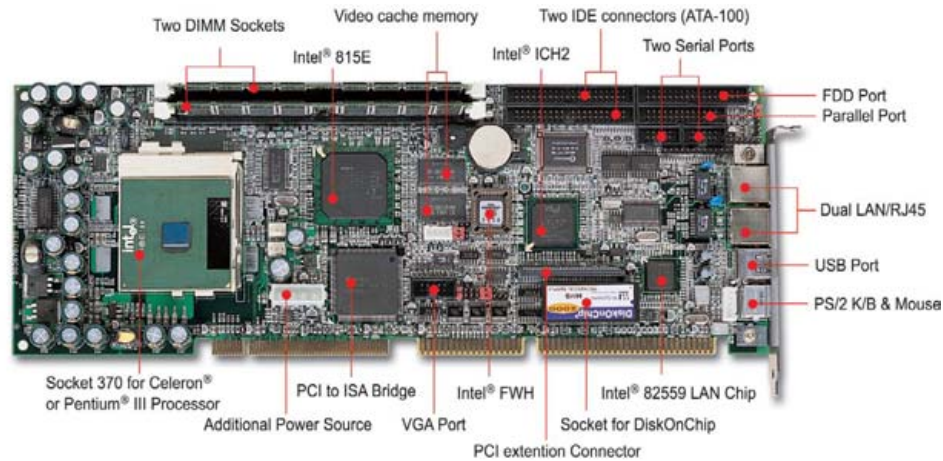


# ROBO-678

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



## FEATURE

- Reliable design for high speed FC-PGA2 Intel® Pentium® III or Celeron® processor
- Intel® 815E chipset, backed by Intel EID's long product life support
- PC100/133MHz SDRAM for cost effective memory support
- 4MB external display memory enable optimum system memory utilization for maximum 2D/3D graphics performance through Direct AGP
- On-board 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
- Proprietary PCI connector for expansion (optional daughter board provided, such as Ultra 160 SCSI or Fast Ethernet)
- One DOC socket for booting Windows NT directly

## Ordering Information

<b>Standard</b>	<b>ROBO-678</b> Pentium® III or Celeron® (FC-PGA2) processor based PICMG SBC with VGA and dual Fast Ethernet
	<b>ROBO-678N</b> Pentium® III or Celeron® (FC-PGA2) processor based PICMG SBC with VGA and single Fast Ethernet
	<b>ROBO-678W</b> Pentium® III or Celeron® (FC-PGA2) processor based PICMG SBC with VGA without Fast Ethernet
<b>Optional</b>	<b>ROBO-U160</b> SCSI extension module with Portwell OmniPCI™ connection interface
	<b>ROBO-N100</b> Single Fast Ethernet port extension module with Portwell OmniPCI™ connection interface

## General

<b>CPU</b>	CPU & Package: Intel® Pentium® III / Celeron® processor in the FC-PGA/FC-PGA2 370 package FSB: 133/100/66MHz
<b>Chipset</b>	Intel® 815E and ICH2
<b>Memory</b>	Up to 512MB PC100/133 SDRAM on two 168-pin DIMM sockets
<b>BIOS</b>	Award BIOS
<b>Display</b>	- 4MB display memory - Display resolution up to 1600x1200, 256 colors at refresh rate 85Hz
<b>Ethernet</b>	- 10BASE-T/100BASE-TX Ethernet - IEEE 802.3u auto-negotiation support - Dual RJ-45 connector
<b>Audio</b>	N/A
<b>SCSI</b>	N/A
<b>Expansion Interface</b>	Proprietary PCI connection interface
<b>ISA Bus</b>	64mA high driving ISA bus interface to backplane for legacy ISA slots
<b>EIDE</b>	Support four EIDE devices with Ultra DMA 100/66/33
<b>Solid State Disk</b>	DOC socket for up to 288MB
<b>I/O</b>	- On-board Winbond W83627HF super I/O - Up to two floppy disk drives - Two serial, one parallel, one IrDA and two USB ports (only one available when installed into standard chassis) - One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connection
<b>ACPI Function</b>	- ATX function with 4-pin header connect to backplane - Modem-Ring-On and Wake-On-LAN
<b>Hardware Monitoring</b>	System monitor (fan, temperature, voltage)
<b>Watchdog Timer</b>	- Programmable via software from 0.5 sec. to 254.5 min. - Can be enabled/disabled by jumper
<b>Power Requirement</b>	+5V@7A; +12V@200mA; -12V@30mA (typ.)
<b>Mechanical</b>	Dimension: 338.5(L) x 122(W) / 13.33"(L) x 4.8" (W) PCB: 6-layer
<b>Environmental</b>	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 75°C Relative Humidity: 5% to 95%, non-condensing
<b>Approval</b>	CE, FCC Class A
<b>MTBF</b>	100,687 hrs