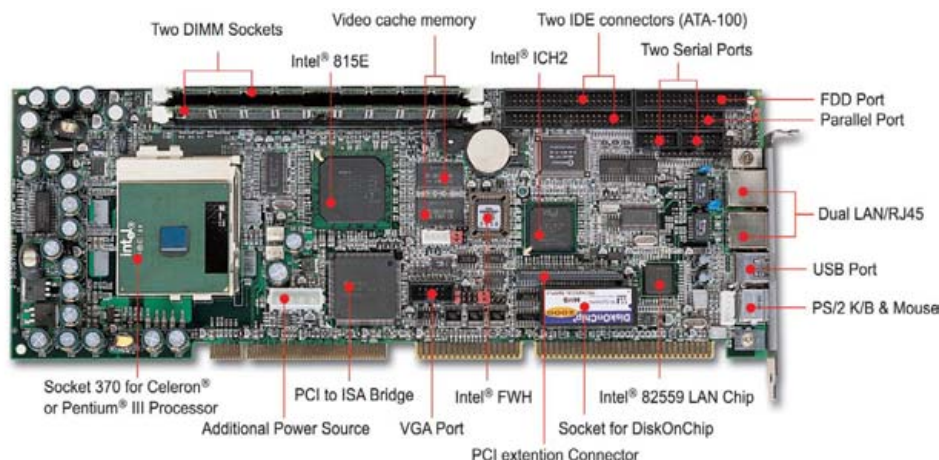


ROBO-678

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

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

General

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