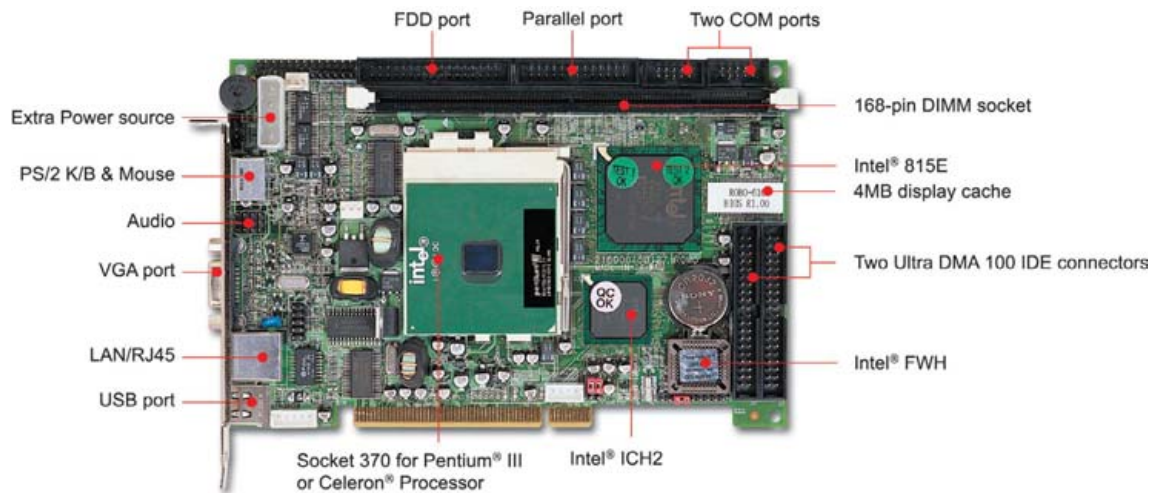# ROBO-616

Intel® Pentium® III or Celeron® processor based half-sized PCI SBC with VGA, Fast Ethernet and Audio

FDD port   Parallel port   Two COM ports

Extra Power source

PS/2 K/B & Mouse

Audio

VGA port

LAN/RJ45

USB port

Socket 370 for Pentium® III or Celeron® Processor

Intel® ICH2

168-pin DIMM socket

Intel® 815E
4MB display cache

Two Ultra DMA 100 IDE connectors

Intel® FWH

FEATURE

- Reliable design for high speed Intel Pentium III or Celeron processor
- Intel 815E chipset, backed up by Intel EID's long product life support
- PC100/133MHz SDRAM for 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
- Audio Codec '97 (AC'97) 2.0 for a high-quality audio architecture
- PCI bus interface for higher flexibility and expandability

Ordering Information

General

CPU	CPU & Package: Intel® Pentium® III / Celeron® processor in the FC-PGA/PPGA 370 package FSB: 133/100/66MHz
Chipset	Intel® 815E and ICH2
Memory	Up to 512MB PC133/100 SDRAM on one 168-pin DIMM socket
BIOS	Award BIOS
Display	- Intel® 815E AGPset embedded graphics controller - 4MB display memory - 2D graphics display resolution up to 1600x1200@85Hz - Full 2D H/W acceleration, 100MHz SDRAM interface - 3D hyper pipelined architecture
Ethernet	- 10BASE-T/100BASE-TX Ethernet - IEEE 802.3u auto-negotiation support - One RJ-45 connector
Audio	AC '97 2.0 audio
SCSI	N/A
Expansion Interface	N/A
ISA Bus	N/A
EIDE	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	N/A
I/O	- On-board Winbond W83627HF super I/O - Up to two floppy disk drives - Two serial, one parallel, one IrDA and three USB ports - 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 (typ.)
Mechanical	Dimension: 185(L) x 122(W) / 7.3"(L) x 4.8" (W) PCB: 8-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	110,388 hrs