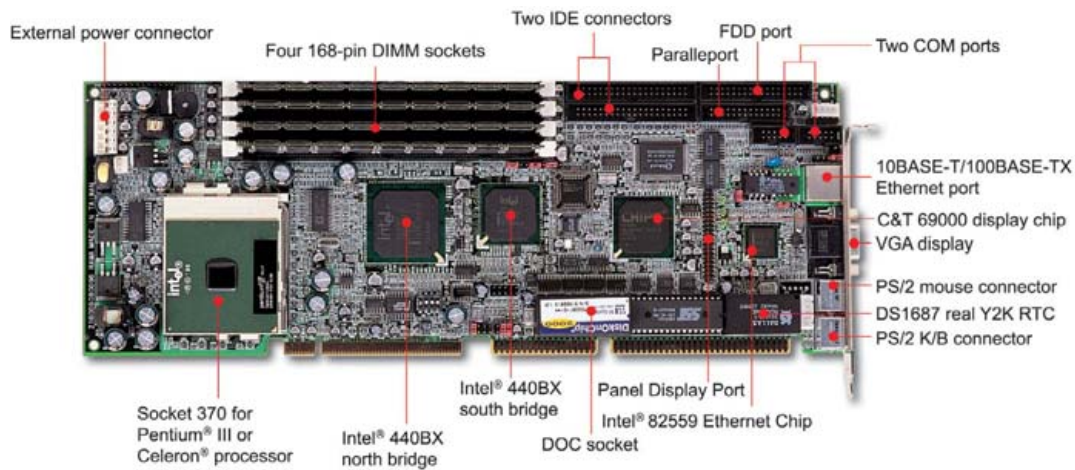


# ROBO-698

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



## FEATURE

- Reliable design for high speed Intel® Pentium® III or Celeron® processor
- Intel® 440BX AGPset, the most stable and highly market recognized chipset from Intel
- PC100MHz SDRAM for cost effective memory support
- ECC function for data sensitive application
- C&T 6000 and 2MB SDRAM provide a high performance, low power, highly integrated solution and versatile panel support
- 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
- One DOC socket for booting Windows NT directly

## Ordering Information

|                 |                                                                                                                     |
|-----------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Standard</b> | <b>ROBO-698</b><br>Pentium® III or Celeron® processor based PICMG SBC with VGA and Fast Ethernet                    |
| <b>Optional</b> | <b>LCD-KIT-RS</b><br>Optional kit for TFT SVGA LCD panel<br><br><b>LCD-KIT-RX</b><br>Optional kit for XGA LCD panel |

## General

|                            |                                                                                                                                                                                                                                                     |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPU</b>                 | CPU & Package: Intel® Pentium® III / Celeron® processor in the FC-PGA/PPGA 370 package<br>FSB: 100/66MHz                                                                                                                                            |
| <b>Chipset</b>             | Intel 82440BX AGPset                                                                                                                                                                                                                                |
| <b>Memory</b>              | - Up to 1GB PC100 SDRAM on four 168-pin DIMM sockets<br>- Support ECC                                                                                                                                                                               |
| <b>BIOS</b>                | Award BIOS                                                                                                                                                                                                                                          |
| <b>Display</b>             | - C&T 69000 video display chip<br>- 2MB display memory<br>- Display resolution up to 1280x1024 at refresh rate 60Hz<br>- Support for CRT display or TFT/DSTN flat panel (optional)<br>- TMDS/LVDS interface support (optional)                      |
| <b>Ethernet</b>            | - 10BASE-T/100BASE-TX Ethernet<br>- IEEE 802.3u auto-negotiation support<br>- One RJ-45 connector                                                                                                                                                   |
| <b>Audio</b>               | N/A                                                                                                                                                                                                                                                 |
| <b>SCSI</b>                | N/A                                                                                                                                                                                                                                                 |
| <b>Expansion Interface</b> | N/A                                                                                                                                                                                                                                                 |
| <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 33                                                                                                                                                                                                         |
| <b>Solid State Disk</b>    | DOC socket for up to 288MB                                                                                                                                                                                                                          |
| <b>I/O</b>                 | - On-board Winbond W83977ATF super I/O<br>- Up to two floppy disk drives<br>- Two serial, one parallel, one IrDA and two USB ports<br>- Two 6-pin mini-DIN connectors for keyboard and mouse<br>- One 5-pin header for external keyboard connection |
| <b>ACPI Function</b>       | - ATX function with 4-pin header connect to backplane<br>- Modem-Ring-On and Wake-On-LAN                                                                                                                                                            |
| <b>Hardware Monitoring</b> | System monitor (fan, temperature, voltage)                                                                                                                                                                                                          |
| <b>Watchdog Timer</b>      | - Adjustable via hardware jumper setting from 0.5 sec. to 64 sec.<br>- Programmable via software from 0.5 sec. to 254.5 min.                                                                                                                        |
| <b>Power Requirement</b>   | +5V@6A; +12V@140mA; -12V@30mA (typ.)                                                                                                                                                                                                                |
| <b>Mechanical</b>          | Dimension: 338.5(L) x 122(W) / 13.33"(L) x 4.8" (W)<br>PCB: 6-layer                                                                                                                                                                                 |
| <b>Environmental</b>       | Operating Temperature: 0 to 55°C<br>Storage Temperature: -20 to 75°C<br>Relative Humidity: 5% to 95%, non-condensing                                                                                                                                |
| <b>Approval</b>            | CE, FCC Class A                                                                                                                                                                                                                                     |
| <b>MTBF</b>                | 114,078 hrs                                                                                                                                                                                                                                         |