

Socket 370
Full Function
Single Board Computer

SBC - 698

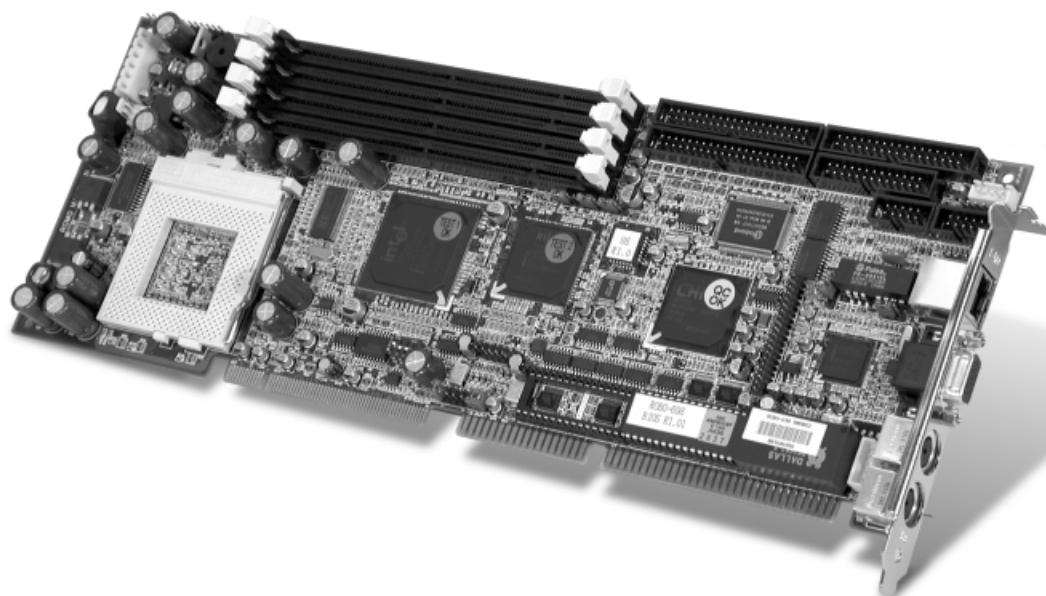
SBC-698 is a full length ISA/PCI form factor single board computer featuring Socket 370 architecture. It supports Intel Celeron or Pentium III processors up to 850MHz.

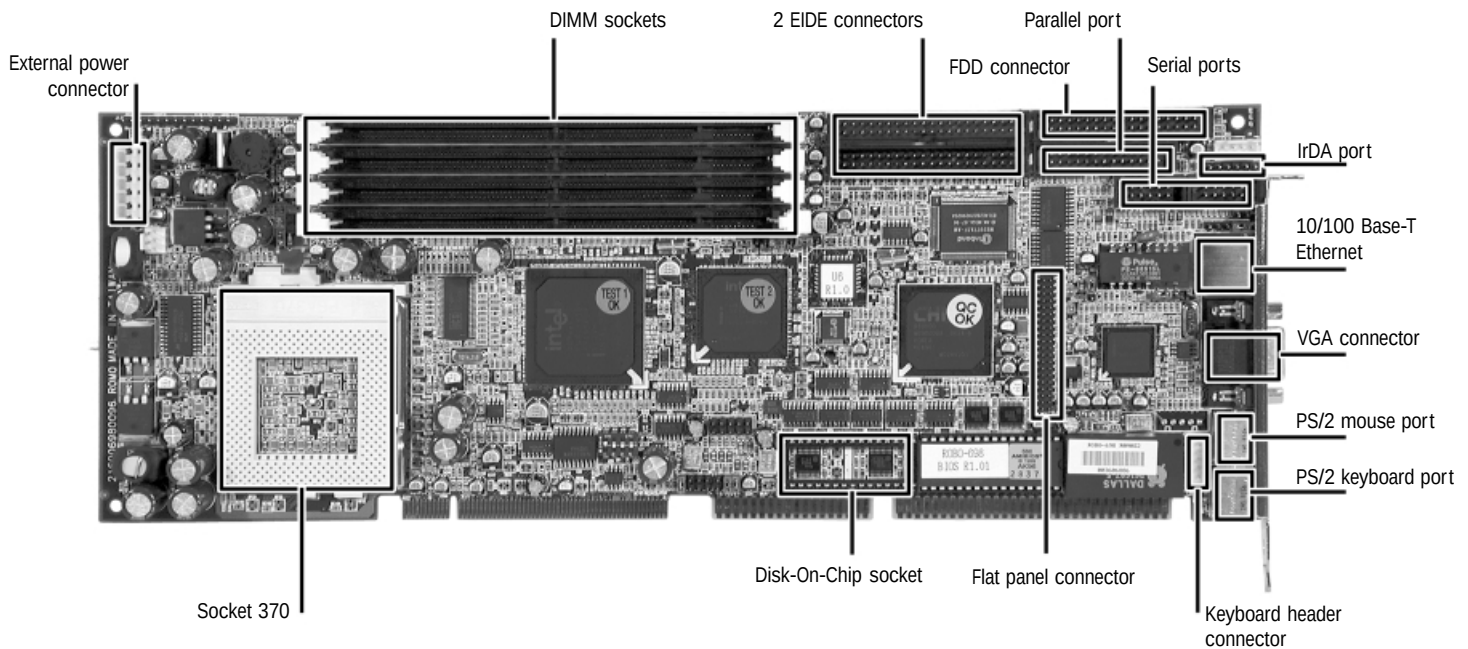
The SBC-698 is designed to deliver the latest computational muscle required for new and sophisticated internet, computer telephony and telecommunications applications. It features up to 1GB SDRAM on four 168-pin DIMM

sockets, on-board PCI local bus VGA chip that supports CRTs and LCD flat panels, two enhanced IDE channels, super I/O chipset that provides two high speed serial ports, one bi-directional parallel port, USB, and PS/2 keyboard/mouse ports. There is a solid state Disk-On-Chip socket and built-in watchdog timer for system monitoring, making it a powerful solution for typical industrial systems implementations.

Features

- Support Socket 370 Pentium III processors up to 850MHz.
- Up to 1GB of SDRAM.
- AWARD, 2MB Flash ROM BIOS.
- On-board VGA with built-in 2MB SDRAM supporting display modes up to 1280x1024 at 60Hz refresh rate.
- Support TFT and DSTN flat panels or CRT display simultaneously.
- On-board 10/100BT Ethernet.
- On-board I/O consisting of one SPP/EPP/ECP parallel port, one PS/2 port (keyboard or mouse), two 16550 UARTs compatible serial ports.
- Socket for Disk-On-Chip supporting M-Systems flash memory up to 288MB.
- Watchdog timer.
- Universal serial bus.





SBC-698

Specifications

Processor Subsystem

- Socket 370 supporting Intel Pentium III (up to 850MHz) or Celeron (up to 600MHz).
- Intel 440BX chipset.
- AMI 256KB flash ROM BIOS.
- ISA PnP extension, Power management.
- External 16-bit ISA, 32-bit PCI bus.
- Up to 1GB SDRAM, four 168-pin DIMM sockets.

Disk I/O

- Enhanced IDE, two channels support four devices.
- FDD controller supporting two devices.
- Up to 288MB, M-System Disk-On-Chip SSD socket.

I/O Devices

- Two 16550 UART compatible ports.
- Bi-directional parallel port SPP/EPP/ECP mode.
- Two USB ports.
- 10 BASE-T / 100BASE-Tx w/Intel 82559 controller.

- Keyboard supported through mini-DIN external connector and PC/AT compatible keyboard header.
- PS/2 mouse port with mini-DIN connector.
- IrDA infrared port.

Video Subsystem

- C&T 69000 for CRT & LCD panel. 1280x1024 resolution @60Hz for CRT. Simultaneous CRT and flat panel display. Built-in 2MB SDRAM.

Watchdog

- 8 time intervals from 0.5 sec. to 64 sec. by jumper select or 255 intervals from 0.5 min. to 254.5 min. by software program.

Power Requirement

- +5V@6A (typical), +12V@140mA, -12V@30mA.

Mechanical and Environmental

- Operating Temperature: 0~55°C (32~131°F).
- Dimensions: 338 x 122mm (13.3" x 4.8").

Ordering Guide

SBC-698:

SBC with built-in VGA controller and LAN.



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