

# SBC-598

Socket 7

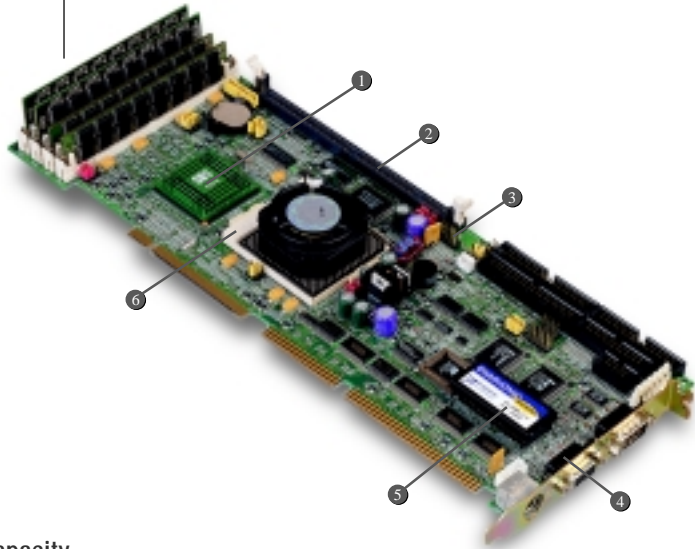
Full-size CPU Card

with VGA, High Drive, & SSD

High Drive

- ① SIS 5598 Chipset
- ② DIMM Socket
- ③ USB Connector

- ④ CRT Connector
- ⑤ Socket for DiskOnChip®
- ⑥ Intel Socket 7



## Features

- Supports Intel Pentium MMX 166~233MHz CPUs
- SiS5598 VGA controller onboard
- Supports DiskOnChip® (SSD) up to 288MB
- High Drive design to enhance the ISA driving capacity

## Specifications

### General Functions

CPU	Intel Pentium MMX 166~233MHz, AMD-K6-2 233~300MHz, Cyrix 6X86MX-PR166~200GP/M2-300MHz, and IDT Winchip C6 200~240MHz
CPU type	Intel Socket 7
Bus Interface	PICMG 2.0 standard
ISA driving capacity	Built-in Address/Data buffer supports driving capacity up to 64mA
BIOS	Award 128KB FLASH BIOS
Chipset	SiS5598
I/O chipset	ITE IT8661F. Fully 16-bit I/O decoded
L2 Cache	Onboard 512KB pipeline burst level two Cache
Memory	Onboard four 72-pin SIMM and one 168-pin DIMM sockets support up to 256Mbytes Fast Page or EDO DRAM
Enhanced IDE	Supports four IDE devices. Supports Ultra DMA/33 mode with data transfer rate 33MB/sec.
FDD interface	Supports two floppy disk drives, 5.25" (360KB and 1.2MB) and/or 3.5" (720KB, 1.44MB, and 2.88MB)
Parallel port	One bi-directional parallel port. Supports SPP, ECP, and EPP modes
Serial port	Two RS-232 serial ports. Ports can be configured as COM1, COM2, COM3, COM4, or disabled individually. (16C550 equivalent)
IR interface	Supports one IrDA Tx/Rx header
KB/Mouse connector	6-pin mini-DIN connector supports PC/AT keyboard and PS/2 mouse. Additional 5-pin header supports PC/AT keyboard for IPC applications
USB connectors	One 5 x 2 header onboard supports dual USB ports
Battery	Lithium battery for data retention
Watchdog timer	Can generate a system reset, IRQ15, or NMI. Software selectable time-out interval (2 sec. ~ 128 min., 1 sec./step)
DMA	7 DMA channels (8237 equivalent)
Interrupt	15 interrupt levels (8259 equivalent)

**Power management** I/O peripheral devices support power saving and doze/standby/suspend modes. APM 1.2 compliant

### CRT Interface

Chipset	SiS 5598
Display memory	UMA supports up to 4MB display memory
Display type	Supports non-interlaced CRT displays.
Resolution	Up to 1024x768@16M colors

### SSD Interface

One 32-pin DIP socket supports M-Systems DiskOnChip® 2000 series up to 288MB

### Mechanical and Environmental

Power supply voltage	+5V (4.75V to 5.25V), +12V (11.4V to 12.6V)
Operating temperature	32 to 140° F (0 to 60° C)
Board size	13.3"(L) x 4.8"(W) (338mm x 122mm)
Weight	1.2 lb. (0.5 Kg)

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