SBC-675

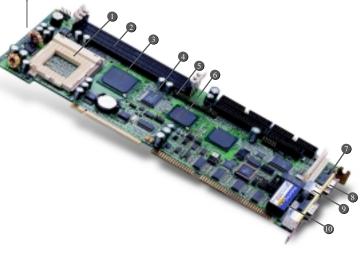## Socket 370   Full-size CPU Card

with LCD, Ethernet, High Drive, & SSD

Socket 370

① Intel 370-pin Socket
② Three 168-pin DIMM Sockets
③ Intel 440BX Chipset
④ 10/100 Base-T Fast Ethernet Controller
⑤ Flat Panel Display Connector
⑥ C&T 69000 LCD Controller with 2MB SDRAM
⑦ Dual USB Ports
⑧ CRT Connector
⑨ 10/100Base-T RJ-45 Connector
⑪ Socket for DiskOnChip®

Features

- Supports Intel Socket 370 Celeron CPU with 66MHz FSB
- C&T 69000 LCD controller supports 36-bit TFT Panels
- 10/100Base-T Fast Ethernet
- Supports DiskOnChip® (SSD) up to 288MB
- High Drive design to enhance the ISA driving capacity

Specifications

General Functions

CPU	Intel Celeron™ and compatible CPUs (with system bus frequencies of 66 MHz)
CPU type	Intel Socket 370
Bus interface	PICMG 2.0 standard
ISA driving capacity	Built-in Address/Data buffer supports driving capacity up to 64mA
BIOS	Award 256KB FLASH BIOS
Chipset	Intel 440BX
I/O chipset	Winbond W83977F. Fully 16-bit I/O decoded
Memory	Onboard three 168-pin DIMM sockets support up to 768 Mbytes SDRAM
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	One RS-232 and one RS-232/422/485 serial port. 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. ~ 255 sec., 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
H/W status monitoring	Winbond W83781D H/W status monitoring IC supports power supply voltages, fan speeds, and temperatures monitoring

Flat Panel/CRT Interface

Chipset	C&T 69000
Display memory	Built-in 2MB SDRAM
Display type	Supports non-interlaced CRT and LCD (TFT, DSTN, and MONO) displays. Can display both CRT and Flat Panel simultaneously
Resolution	Up to 1024x768@64K colors (CRT/LCD simultaneous display)

Ethernet Interface

Chipset	Realtek RTL8139B 10/100Base-T Fast Ethernet controller
Ethernet interface	Onboard 10/100Base-T RJ-45 connector. Optional Remote Boot ROM function

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)