

IPC Products

- Full-size CPU Card
- Half-size CPU Card
- 3.25" Embedded SBC
- 5.25" Embedded SBC
- Industrial Motherboard
- Special Form Factor
- Control board
- Barebone System
- ODM/OEM



- ▶ Intel® socket 370 Celeron™/Pentium® III processors
- ▶ VIA Apollo Pro133A chipset supports up to 133MHz FSB
- ▶ Two DIMM sockets for SDRAM up to 512 MB
- ▶ ATI VGA/AGP 4X with 8MB VRAM and TMDS interface for Digital Flat Panel
- ▶ 32-bit PCI 100/10 Mbps Ethernet interface
- ▶ On-board PCI Ultra2 SCSI controller (optional)
- ▶ Supports four Ultra DMA/33/66 IDE devices
- ▶ ISA high driving capability
- ▶ H/W system monitoring
- ▶ Watchdog timer

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General Functions

CPU	Intel® socket 370 Celeron™ /Pentium® III processors up to 133MHz FSB
BIOS	Award® 256KB Flash BIOS
Chipset	VIA VT82C694X + VT82C596B
I/O Chipset	Winbond® 83977
Memory	Two 168-pin DIMM sockets support up to 512 MB
Enhanced IDE	Support up to four IDE devices (Ultra DMA 33/66)
FDD interface	Support up to two floppy disk drives
Parallel port	Support SPP/ECP/EPP
Serial port	One RS-232 and one RS-232/422 serial ports.
IR interface	Support one IrDA Tx/Rx header
KB/Mouse connector	Support PC/AT keyboard and PS/2 mouse
USB connectors	Support dual USB ports
Battery	Lithium battery for data retention up to 10 years(in normal condition)
Watchdog Timer	Software programmable
System Monitoring	Winbond® W83781D H/W monitoring IC supports temperatures, Fan speed, and voltages monitoring
Bus interface	PCI/ISA bus, PICMG compliant
Power management	Support AT/ATX power supply Support LAN wake up and modem ring-in functions.

Flat Panel/CRT Interface

Chipset	ATI RAGE 128 PRO 4X AGP
Display memory	With 8MB on board, 1GB/s bandwidth across a 64-bit SDRAM memory
Display type	Support non-interlaced CRT display and TMDS interface for Digital Flat Panel. Display both CRT and Flat Panel simultaneously

Resolution Up to 1280x1024@16M colors

Ethernet Interface

Chipset	Realtek® RTL8139 100Base-TX Fast Ethernet controller
Ethernet interface	PCI 100/10 Mbps Ethernet controller
PCI-Ultra2 SCSI	Support 32-bit PCI interface and Ultra2 SCSI or legacy single-ended devices (optional)
Chipset	Symbios SYM53C895
Performance	Synchronous data transfer rates up to 80 Mb/sec

SSD Interface DiskOnChip® 2000 Series up to 288MB

ISA High Drive ISA drive to 64 mA

Mechanical and Environmental

Power supply voltage	+5V (4.75V to 5.25V),+12V (11.4V to 12.6V)
Max. power requirements	6.5A @ 5V, 0.6A @ +12V
Operating temperature	32 to 140oF (0 to 60oC)
Board size	13.3"(L) x 4.8"(W) (338mm x 122mm)

Weight

0.43 Kg / 0.95 Lb (bare)

Ordering Information

WCF-681OS	Socket 370 Pentium III Full-size CPU Card w/4x AGP CRT & 10/100 Ethernet
WCF-681	Socket 370 Pentium III Full-size CPU Card w/4x AGP CRT , 10/100 Ethernet & Ultra II SCSI