

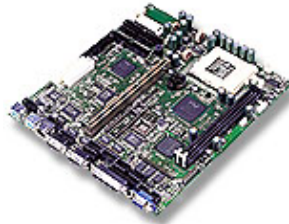
IPC Products

- 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

AW-O671

Socket 370 Intel® Pentium® III LPX Form Factor Board with VGA/LCD, LAN, Audio & SSD

Special Form Factor



- ▶ Intel® socket 370 Celeron™/Pentium® III processor
- ▶ C&T SVGA/LCD controller supports 36-bit LCD panels
- ▶ 32-bit PCI-bus 100/10 Mbps Ethernet interface
- ▶ PCI 3D audio interface
- ▶ 4 serial ports: three RS-232 and one RS-232/422/485
- ▶ EISA connector for flexible PCI & ISA expansion capabilities
- ▶ Supports WOL and MODEM ring-in wakeup function
- ▶ Watchdog timer selectable by BIOS setting

[Download](#) | [Features](#) | [Specifications](#) | [PDF](#)

General Functions

CPU	Intel® Celeron™ / Pentium® III processor up to 850MHz
BIOS	Award® 256KB Flash BIOS
Cache	128/256 KB on-chip cache
Chipset	Intel® 440BX+ 82371EB
I/O Chipset	Dual Winbond 83977
Memory	Two 168-pin DIMM sockets support up to 512MB
Enhanced IDE	Support up to four IDE devices(Ultra DMA 33).
FDD interface	Supports 34-pin header connector up to two floppy disk drives
Parallel port	Two bi-directional parallel ports. Support SPP/ECP/EPP
Serial port	Three RS-232 and one RS-232/422/485 serial ports +5v/+12v power selectable
IR interface	Support one IrDA Tx/Rx header
Keyboard connector	6-pin Mini-DIN & internal header
Mouse connector	6-pin Mini-DIN & internal header
USB connectors	Support dual USB ports
Battery	Lithium battery for data retention up to 10 years and CMOS EPROM backup
Watchdog Timer	Support software selectable timeout interval.
EISA connector	One EISA bus connector support ISA/PCI signals
Power Input	Support ATX and AT power supply connectors.
Digital I/O	Eight digital output and eight TTL input.
SMBus connector	6-pin header support SMBus LCD interface

Flat Panel/CRT Interface

Chipset	C&T 69000 VGA chip
Display memory	Built-in 2MB SDRAM
Display type	Display CRT and Flat Panel simultaneously
Resolution	Up to 1024x768@64K colors

PCI Sound Interface

Chipset	ESS Solo-1
---------	------------

Audio controller	SoundBlaster and SoundBlaster Pro compatible and support Microsoft® Windows™ sound system. Meets PC97/PC98 and WHQL specifications
Audio interface	Mic in, Line in, Speaker out and CD audio in
Software Driver	Supports for Windows 95, Windows 98 and windows NT

Ethernet Interface

Chipset	Intel® 82559ER or Realtek® RTL8139C
Ethernet interface	PCI 100/10 Mbps Ethernet controller

SSD Interface One 50-pin CompactFlash™ socket & one 32-pin DiskOnChip socket

Mechanical and Environmental

Power supply voltage	VCC (4.75V to 5.25V), +12V (11.4V to 12.6V), -12V(-11.4V.to -12.6V)
Max. power requirements	7A @ 5 V, 200mA@ +12V, 120mA@-12V
Operating temperature	32 to 140°F (0 to 60°C)
Board size	8.7"(L) x 9.84"(W)(220mm x 250mm)
Weight	1.1 lb. (0.5 Kg) (bare)

Ordering Information

AW-O671I	Socket 378 Pentium III LPX Board with LCD/CRT, One Intel 82559ER Ethernet
AW-O671R	Socket 378 Pentium III LPX Board with LCD/CRT, One Realtek 8139 Ethernet