



▶ ▶ ▶ Features

- ▶ Supports Intel® Socket 478 Pentium® 4 processor with 400/533/800MHz system bus
- ▶ Four 184-pin DDR DIMM sockets for DDR 266/333/400 SDRAM up to 4GB
- ▶ One 10/100/1000Mbps and one 10/100Mbps Ethernet interface
- ▶ Six USB 2.0 compliant ports
- ▶ Three RS-232 ports and one RS-232/422/485 ports
- ▶ Supports three ISA, three PCI & one AGP 8X slot
- ▶ Two serial ATA ports
- ▶ Digital I/O: four input and four output
- ▶ H/W system monitor
- ▶ Watchdog timer & IEEE 1394 interface

Specifications

General Functions	
CPU	Socket 478 Intel® Pentium® 4 processor with 400/533/800MHz system bus
BIOS	Award® 512KB Flash BIOS
Chipset	Intel® 865PE+ICH5R
I/O Chipset	Dual Winbond® 83627HF-AW
Memory	Onboard four 184-pin DDR DIMM sockets supports up to 4GB
Enhanced IDE	Supports up to four IDE devices, supports ultra DMA 33/66/100 mode with data transfer rate up to 100MB/sec.
Serial ATA	Independent DMA operation on two ports, data transfer rates up to 1.5Gb/s, RAID-0
FDD Interface	Supports 34-pin header up to two floppy disk drives
Parallel Port	One bi-directional parallel port, supports SPP/ECP/EPP modes
Serial Port	Three RS-232 and one RS-232/422/485 serial ports
IR Interface	Supports one IrDA Tx/Rx header
KB/Mouse Connector	Mini-Din connector supports PC/AT keyboard and PS/2 mouse
USB Connectors	Supports six USB2.0 compliant ports
Battery	Lithium battery
Watchdog Timer	Can generate a system reset, supports 1-256 second selectable timeout interval
Digital I/O	Four digital input and four output
System Monitoring	Built in W83627HF-AW; supports temperatures, fan speed and voltages monitoring
PCI Slot	Three 32-bit PCI expansion slot
ISA Slot	Three ISA slots
AGP Slot	One 8X AGP slot
Power Management	Supports ATX power supply, supports LAN wake up and modem ring-in functions
Ethernet Interface	
Chipset	CSA interface support Intel® 1000/PRO CT (82547EI) GbE & ICH4 embedded MAC with 82562EM (PHY) 100Base-Tx Fast Ethernet controller
IEEE 1394 Interface	
Chipset	Onboard one IEEE 1394 port, pin-header for up to 3 IEEE 1394 ports optional
Chipset	VIA VT6306 control chip
Audio Interface	
Chipset	AC 97 codec
Audio Interface	Mic in, line in, speaker out and CD audio in
SSD Interface	One 50-pin CompactFlash™ type II socket
Mechanical and Environmental	
Power Supply Voltage	VCC(4.75V to 5.25V), +12V(11.4V to 12.6V), -12V(-11.4V to -12.6)
Max. Power Requirements	8A@5V, 10A@+12V, 200mA@-12V(max.)
Operating Temperature	32° to 140° F (0° to 60° C)
Board Size (Lx W)	304.8mm (L) x 243.7mm (W) (12" L x 9.6" W)

▶ Note: All specifications are subject to change without prior notice

Order Information

AW-MB700	Intel® Pentium® 4 ATX industrial motherboard with 2 LANs, IEEE 1394, RAID-0, Audio & SSD
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