# AW-F701

**Intel® Pentium® 4 Full-size CPU card with VGA/LCD, 4 LANs, 6 USB, Micro AGP, High Drive & SSD**



Front panel connector
ATX power connector
DDR DIMM socket
Disk on chip
AC 97 connector
IR
IDE4-ATA 133(PROMISE)
IDE1
LPT
IDE3-ATA 133(PROMISE)
COM2
COM1
K/B & PS/2 mouse
LAN3/4
VGA port
LAN2
LAN1
+12V power connector
Socket 478 for Pentium 4 up to 533MHz
Intel 845G north bridge chip
Micro AGP bus
USB port
Intel ICH4 south bridge chip
High driving capability
4LANs
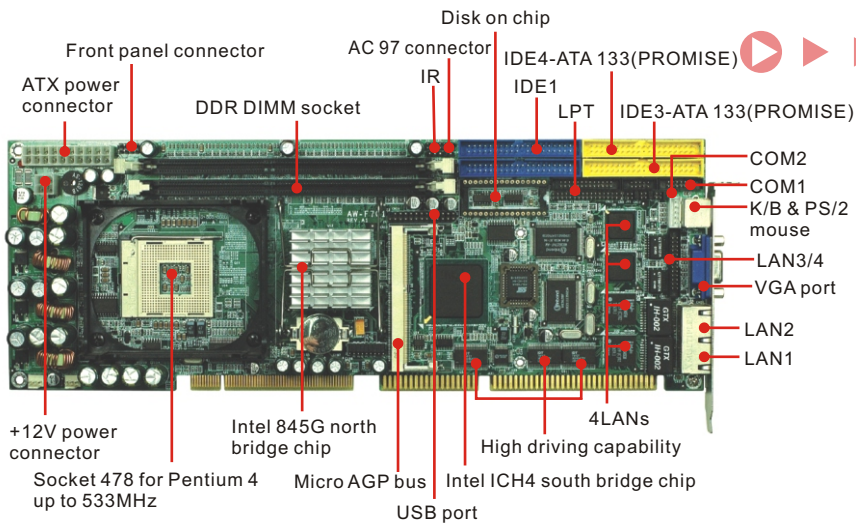
## Features

▸ Supports Intel® Socket 478 Pentium® 4 processor with 533MHz system bus

▸ Two 184-pin DDR DIMM sockets for DDR SDRAM to 2GB

▸ Micro AGP bus

▸ Four 32-bit PCI-bus 10/100 Mbps Ethernet interface optional for two Gigabit & two 10/100 Ethernet interface

▸ Supports ISA high driving capability

▸ Six USB 2.0 compliant ports

## Specifications

### General Functions

| | |
|---|---|
| CPU | Socket 478 Intel® Pentium® 4 processor with 533 MHz system bus |
| BIOS | Award® 512KB Flash BIOS |
| Chipset | Intel® 845G + ICH4 |
| I/O Chipset | Winbond® 83627HF-AW |
| Memory | Onboard two 184-pin DDR DIMM sockets supports up to 2GB |
| Enhanced IDE | Supports up to four IDE devices (Ultra DMA 33/66/100) |
| 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 | One RS-232 and one RS-232/422/485 serial ports |
| IR interface | Supports one IrDA Tx/Rx header |
| KB/Mouse Connector | 6-pin Mini-DIN connector for PC/AT keyboard & PS/2 mouse |
| USB Connectors | Six USB 2.0 compliant ports |
| Battery | Lithium battery |
| Watchdog Timer | Can generate a system reset, supports 1-255 second selectable timeout interval |
| System Monitoring | Built in W83627HF-AW, supports temperatures, fan speed and voltages monitoring |
| Bus Interface | PCI/ISA bus, PICMG compliant |
| Power Management | Supports ATX power supply, LAN wake up and modem ring-in functions |

### VGA Interface through Micro AGP Bus (option)

| | |
|---|---|
| **(1)AW-VGA1** | |
| Chipset | SMI Lynx3DM |
| Display Memory | Built-in 4MB/8MB for Lynx3DM SMI721 |
| Display Type | Simultaneous supports CRT and LCD displays |
| **(2)AW-VGA2** | |
| Chipset | ATI Mobility M6 AGP 4x, supports TMDS, LVDS, CRT, TV-out interface |
| Display Memory | 32MB DDR embedded |
| Display Type | Dual independent displays (LCD/LCD, LCD/CRT, LCD/TV, CRT/TV) |
| **AW-TV1 (option)** | |
| TV Format | Supports NTSC, NTSC-EIA (Japan) and PAL signals |
| Output Connector | Supports RCA (Composite) video and S-video connector |

### Ethernet Interface

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|---|---|
| Chipset | Four Intel® 82551QM 100Base-Tx Fast Ethernet controller or two Intel® 82540EM and two Intel® 82551QM optional |
| Ethernet Interface | PCI 10/100/1000Mbps Ethernet controller IEEE 802.3U protocol compatible |

### Sound Interface (option)

| | |
|---|---|
| Chipset | AC 97 codec |
| Audio interface | Mic in, Line in, Speaker out and CD audio in |

### SSD Interface

| | |
|---|---|
| SSD Interface | DiskOnChip® series up to 288MB |
| ISA High Drive | ISA high driving capability up to 64mA |

### Mechanical and Environmental

| | |
|---|---|
| Power Supply Voltage | +5V(4.75V to 5.25V), +12V(11.4V to 12.6V), -12V(-11.4V to -12.6V) |
| Max. Power Requirements | 10A@5V, 10A@+12V, 60mA@-12V(Max.) |
| Operating Temperature | 32˚ to 140˚F (0˚ to 60˚C) |
| Board Size (LxW) | 338mm(L) x 122mm(W) (13.3" L x 4.8" W) |

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

## Order Information

| | |
|---|---|
| AW-F701I40 | Intel® Pentium® 4 CPU card, with CRT/4 x 10/100Base/2 USB/IDE (ATA133/100) |
| AW-F701I22 | Intel® Pentium® 4 CPU card, with CRT, 2 x Gigabit/2 x 10/100BaseT/2 USB/IDE (ATA133/100) |
| AW-F701I20 | Intel® Pentium® 4 CPU card, with CRT, 2 x 10/100BaseT/2 USB/IDE (ATA100) |
| AW-F701I10 | Intel® Pentium® 4 CPU card, with CRT, 1 x 10/100BaseT/2 USB/IDE (ATA100) |
| AW-F701I00 | Intel® Pentium® 4 CPU card, with CRT, w/o LAN/2 USB/IDE (ATA100) |
| AW-VGA2 | Micro AGP VGA adapter |
| AW-UL1 | LAN USB adapter |
| AC97-1881 | Audio adapter |

**Full-size CPU Card**