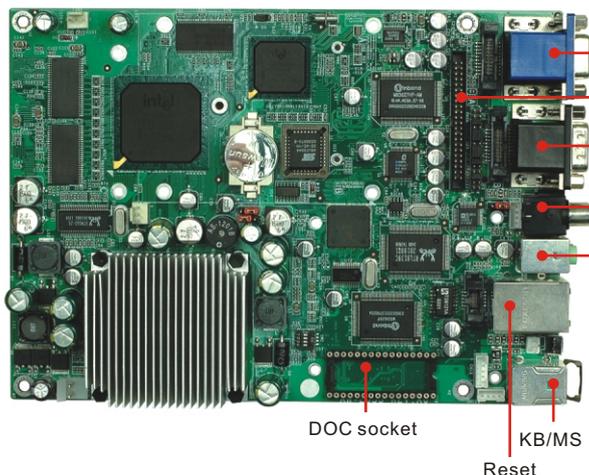


▶▶▶ Features

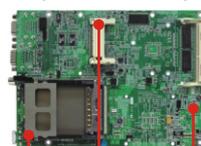
- ▶ Intel® Pentium® III /Celeron® (Micro-FCBGA packaging) processor
- ▶ Supports dual CRT or dual TV-out interface
- ▶ One 10/100 Mbps Ethernet interface
- ▶ One PC card slot support PCMCIA type I/II/III
- ▶ Supports AC 97 audio interface
- ▶ One RS-232 and one RS-232/422/485 ports
- ▶ Two USB 1.1 port and one PS/2 keyboard/ mouse port
- ▶ One IDE HDD connector
- ▶ Watchdog timer



- VGA connector
- IDE connector
- COM port connector
- TV out
- Audio connector

- DOC socket
- KB/MS
- Reset

(Rear view)



- PCMCIA socket
- SO-DIMM socket
- CompactFlash socket

Specifications

General Functions	
CPU	Intel® Pentium® III/ Celeron® (Micro-FCBGA packaging) processor (FCPGA socket optional)
BIOS	Award® 512KB Flash BIOS
Chipset	Intel® 815E+ICH2 chipset
I/O Chipset	Winbond® 83627HF
Memory	Onboard 32/64/128MB and one 144-pin SO-DIMM socket supports up to 512MB SDRAM
Enhanced IDE	Supports 2.5" IDE HDD, UDMA33
Serial Port	One RS-232 and one RS-232/422/485 serial port
KB/Mouse Connector	Supports PS/2 keyboard and PS/2 mouse
USB Connectors	Supports two USB 1.1 ports
Battery	Lithium battery
Watchdog Timer	Can generate a system reset or PIRG#E, supports software selectable timeout interval
CRT Interface	
Chipset	Intel® 815E chip with integrated 2D/3D/Video accelerator
Display Memory	Supports max. 4MB SDRAM
Display Type	Supports dual CRT connectors
Ethernet Interface	
Chipset	Intel® 82559 100Base-Tx fast Ethernet controller, Realtek® 8139C optional
Ethernet Interface	PCI 10/100Mbps Ethernet controller. IEEE 802.3U protocol compatible
SSD Interface	
	One 50-pin CompactFlash™ type II socket and one 32-pin DiskOnChip socket
CardBus Interface	
Chipset	TI PCI 1420 CardBus controller
Interface	Complies with PCMCIA v.2.10 and JEIDA v.4.1 provide full supports for all type I/II/III PCMCIA memory, I/O and ATA hard disk card
Output Connector	One PC card slot
TV-Out Interface (option)	
Chipset	Chrontel digital TV encoder
TV Format	Supports NTSC and PAL signals format
Output Connector	Provides dual RCA (Composite) video connectors
Sound Interface	
Chipset	AC 97 codec
Audio Controller	SoundBlaster Pro hardware and direct sound ready AC97 digital audio
Audio Interface	Mic in, Line in, Speaker out
Mechanical and Environmental	
Power Supply Voltage	+12V(11.4V to 12.6V)
Max. Power Requirements	5A@+12V
Operating Temperature	32° to 140°F (0° to 60 °C)
Board Size (LxW)	203mm (L)x 146mm(W) (8" L x 5.75" W)

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

Order Information

AW-EM650A	Intel® Pentium® III /Celeron® 400MHz Embedded SBC, VGA/LAN (Intel 82559) TV-out, CardBus, Audio
AW-EM650B	Intel® Pentium® III /Celeron® 650MHz Embedded SBC, VGA/LAN (Intel 82559) TV-out, CardBus, Audio
AW-EM650C	Intel® Pentium® III /Celeron® 400MHz Embedded SBC, VGA/LAN (Realtek 8139C) TV-out, CardBus, Audio
AW-EM650D	Intel® Pentium® III /Celeron® 650MHz Embedded SBC, VGA/LAN (Realtek 8139C) TV-out, CardBus, Audio