AW-E653
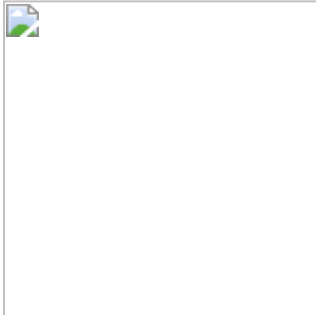
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Features

VIA Ezra 800MHz (EBGA packaging) CPU
Supports CRT, TFT LCD & LVDS panel Interface
One 32-bit PCI-bus 100/10 Mbps Ethernet interface
Supports two PCMCIA slots
Supports AC-97 audio/TV-out interface
Four serial ports: Three RS-232 and one RS-232/422/485
Two USB port and one PS/2 keyboard/mouse port
One IDE HDD connectors
Watchdog timer
Digital I/O (4 x in, 4 x out)

Specifications

General Functions

CPU	VIA Ezra 800MHz (EBGA packaging) CPU
BIOS	Award® 256KB Flash BIOS
Chipset	VIA VT8606 + VT82C686B
I/O Chipset	Built-in VT82C686B +Winbond 83977EF
Memory	Onboard 32/64/128MB and one 144-pin SO-DIMM socket supports up to 512Mbytes SDRAM
Enhanced IDE	Support Ultra DMA 33/66/100
Serial port	Three RS-232 and one RS-232/422/485 serial ports.
KB/Mouse connector	Supports PS/2 keyboard and PS/2 mouse.
USB connectors	Supports two USB port
Battery	Lithium battery for data retention of up to 10 years (under normal condition)
Watchdog Timer	Can generate a system reset,or IRQ15. Support software selecta ble timeout interval.
Digital I/O	Four digital output and four input

Flat Panel/CRT Interface

Chipset	VIA Twister chip with integrated Savage4 2D/3D/Video Accelerator
Display memory	Share system memory 8/16/32MB
Display type	Supports CRT, TTL TFT LCD and LVDS interface.

Ethernet Interface

Chipset	RealtekR RTL8139C+ 100Base-Tx Fast Ethernet controller
Ethernet interface	PCI 100/10 Mbps Ethernet controller. IEEE 802.3U protocol compatible
SSD Interface	DiskOnChip 2000 series up to 288MB

Card Bus Interface

Chipset	TI PCI 1420 card bus 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 cards.
Output connector	Two built-in PCMCIA card slots

TV-out Interface

Chipset	VIA1622 digital TV encoder
TV Format	Supports NTSC and PAL signals format
Output connector	Provides pin-header to support RCA (Composite) video and S-video connector

Sound Interface

Chipset	AC 97 codec
Audio Controlle	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	6.69"(L) x 5.12"(W) (170mm x 130mm)
Weight	0.26 lb. (0.12 Kg) (bare)

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