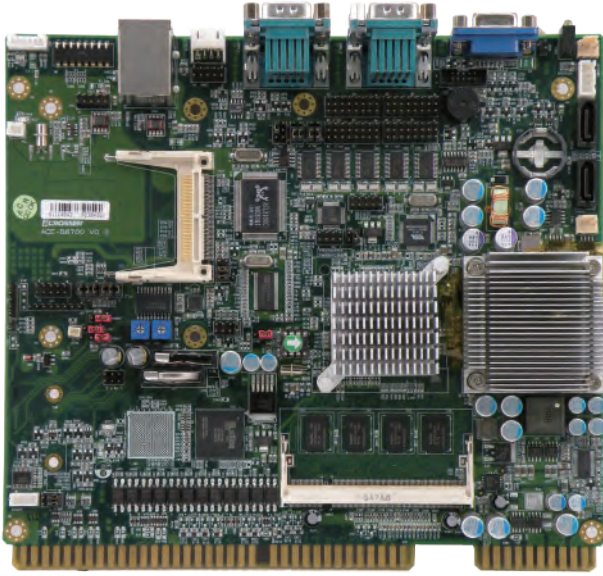


ACE-B8700/8701

VIA C7 + VX800 All-in-One International Gaming Board

Gaming Platform



Features

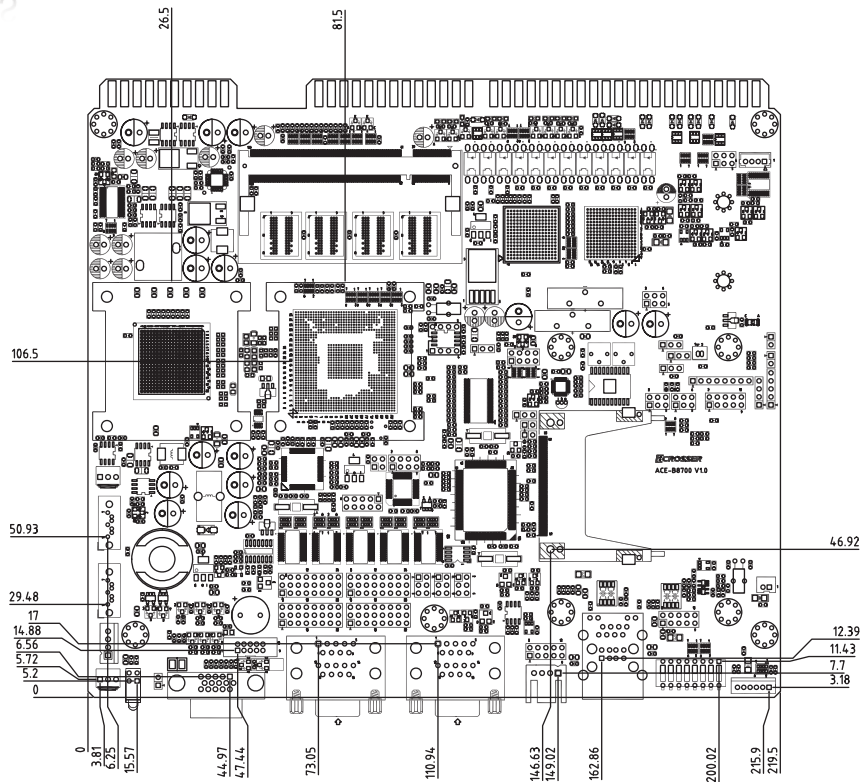
- VIA C7 + VX800
- 30-bit Interruptible Digital Input
- 27-bit High Current Output
- 8 Liner (72-pin) Golden Finger Interface
- 1 x 256KB Battery Backup SRAM with Battery Low Event Logger
- 6W Stereo Amplifier
- 4 x 16-bit Interruptible Timer



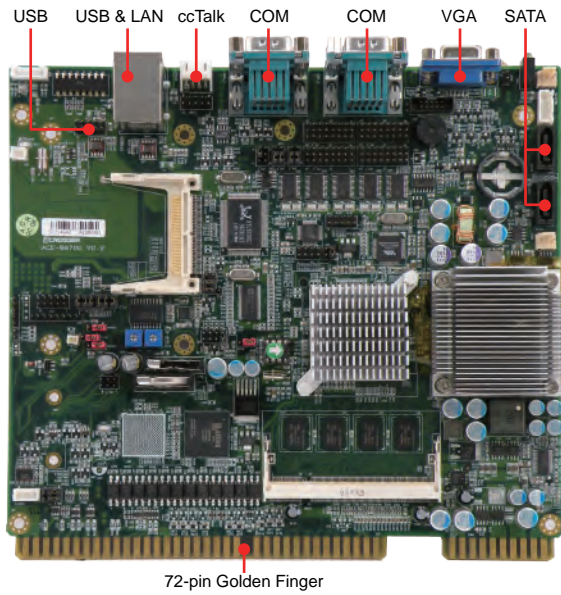
Specification

Invention Patent I334065

General PC Feature		Gaming Function	
CPU	Onboard VIA C7 1.5GHz	I/O Interface	8-liner 72-pin + 20-pin Golden Finger Interface
Chipset	VIA VX800	Digital Input	<ul style="list-style-type: none"> ● 30 x optical isolated input ● State change interrupt
Front Side Bus	400MHz	Gaming Function	
Memory	<ul style="list-style-type: none"> ● Onboard 512MB DDR2 SDRAM ● 1 x 200-pin SO-DIMM socket support 667MHz DDR2 SDRAM up to 1GB 	Digital Output	2 x 1000 mA and 25 x 500 mA digital output
Battery	<ul style="list-style-type: none"> ● 1 x Li-Ion Battery for system RTC(CR2032) ● 1 x 220 mAh CR2032 Battery for SRAM A & secured RTC ● Optional rechargeable 140 mAh rechargeable battery B for SRAM A & B 	Readable DIP Switch	2 x 8-bit DIP switch
Real Time Clock	1 x system RTC and 1x secured RTC	GPIO (TTL Level)	-
Fan Connector	1x CPU fan and 1x 12V fan connectors	Timer	4 x 16-bit timers with time out interrupt
Video		Battery backup SRAM	<ul style="list-style-type: none"> ● 1 x 256KB (Optional 2 x 512KB) ● 1 x 220 mAh battery (optional 140 mAh rechargeable battery) ● optional Battery voltage low log
Graphic Controller	Integrated VIA Chrome9TM HC3 integrated graphic controller, Supports DX9.0	EEPROM	-
Video Memory	Maximum 256MB shared	Jurisdiction Chip	-
Video Interface	<ul style="list-style-type: none"> ● 1 x VGA (DB15) ● 1 x optional secondary VGA (ACE-B8701) 	Intrusion Logger	<ul style="list-style-type: none"> ● Battery powered ● 7 bits TTL level 5V pulled up input <ul style="list-style-type: none"> a. 5 x door switch inputs on 72-pin golden finger b. One power on/off change log input c. 1 x 2pin JST 2.0mm for Box detector ● 3 x events with time stamp log for each input
PCI Express Slot	-	Smart Card Reader	-
Storage		Reel Mechanism Control	-
SATA	2 x SATA II port	Smart Hard Meter	-
CF	1 x Compact Flash Type I/II socket support UDMA	Random Number Generator	YES
Communication		Security	ProtectU + optional iButton socket
Ethernet	1 x 100Mbps RJ45 with LED, Realtek	Power Requirement	
USB	4 x USB2.0 (2 x external port, 2 x pin header)	Power Input	5V (+/-5%) and 12V (+/-5%) input on golden finger
Serial Port	<ul style="list-style-type: none"> ● 2 x RS-232/TTL (DB9) ● 1 x RS-232/485 (DB9) ● 1 x RS-232/ccTalk (DB9) ● 1 x ccTalk (JST connector) 	Power Consumption	16W without external devices
Audio		Software	
Output	Stereo	OS Support	Windows XP/XP Embedded, Linux
Amplifier	6 Watts per channel	Software Development Kit	<ul style="list-style-type: none"> ● Device driver ● Application Program Interface (API) ● Demo program
Volume Channel	2 x volume control variable resistor	Mechanical & Environment	
Other Feature		Dimension	219.5mm x 196mm (8.62" x 7.72")
PS/2	1 x PS/2	Weight	Net: 545g (1.3Lb)
Hardware Monitoring	-	Operating Temp.	0~60°C (32~140°F)
WatchDog Timer Indicator	Software programmable 1~255 sec. HDD and Power LED	Storage Temp.	-20~80°C (-4~176°F)
		Relative Humidity	0 to 90% @ 40°C, non-condensing
		Safety	CE, FCC class A



I/O Connectors



Packing List

- 1 x ACE-B8700
- 1 x Driver CD
- 1 x Quick user manual

Ordering Information

- | | |
|----------------------|------------------------------|
| ACE-B8700C715 | ACE-B8700 with VIA C7 1.5GHz |
| ACE-B8701C715 | ACE-B8701 with Dual VGA |