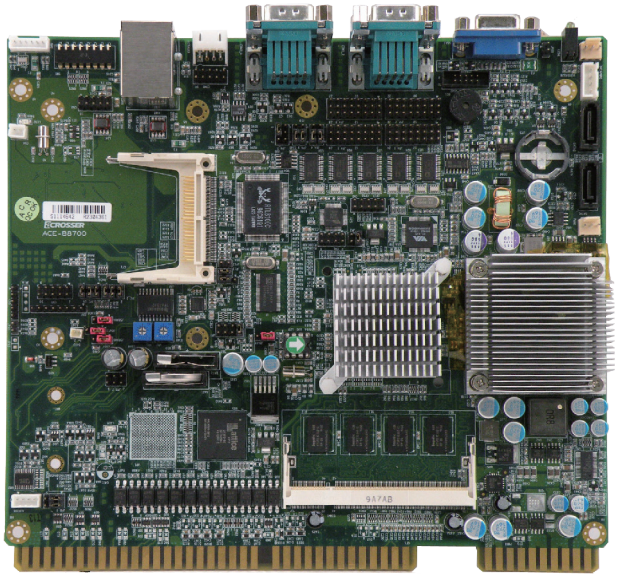
ACE-B8700/8701

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



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

CE FC

Specification

Invention Patent I334065

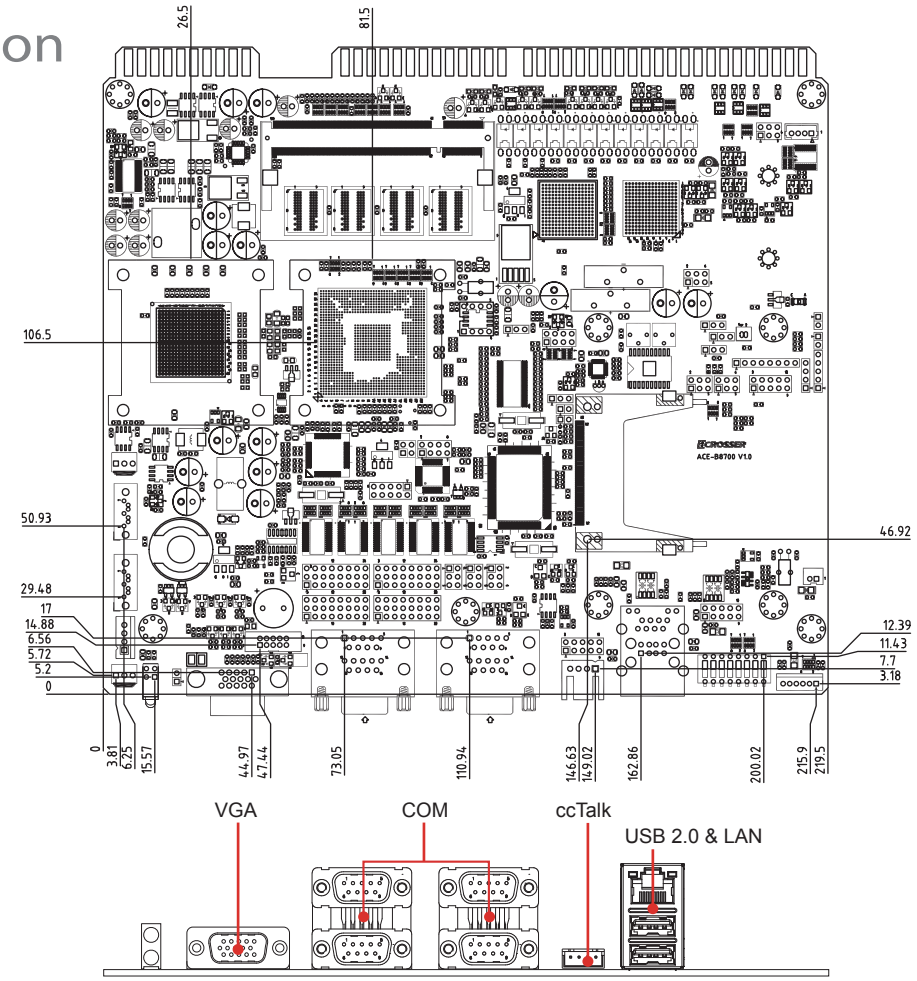
Specification	
CPU	Onboard VIA C7 1.5GHz
Chipset	VIA VX800
Memory	• Onboard 512MB DDR2 SDRAM • 1 x 200-pin SO-DIMM socket support 667MHz DDR2 SDRAM up to 1GB
Battery	• 1 x Li-Ion Battery for system RTC(CR2032) • 1 x 220 mAh CR2032 Battery for SRAM A & secured RTC • Optional rechargeable 140 mAh rechargeable battery B for SRAM A & B
Real Time Clock	1 x system RTC and 1x secured RTC
Fan Connector	1 x CPU fan and 1x 12V fan connectors
Video	
Graphic Controller	Integrated VIA Chrome9™ HC3 integrated graphic controller, Supports DX9.0, OpenGL 3.0
Video Memory	Shared Memory
Video Interface	• 1 x VGA (DB15) • 1 x optional secondary VGA (ACE-B8701)
Storage	
SATA	2 x SATA II port
CF	1 x Compact Flash Type I/II socket support UDMA
Communication	
Ethernet	1 x 100MB RJ45 with LED, Realtek
USB	4 x USB 2.0 (2 x external port, 2 x pin header)
Serial Port	• 2 x RS-232/TTL (DB9) • 1 x RS-232/485 (DB9) • 1 x RS-232/ccTalk (DB9) • 1 x 4-pin ccTalk connector
Audio	
Output	Stereo
Amplifier	6 Watts per channel
Volume Channel	2 x volume control variable resistor
Other Feature	
PS/2	1 x JST connector
WatchDog Timer	Software programmable 1~255 sec.
Indicator	HDD and Power LED
Power Requirement	
Power Input	5V (+/-5%) and 12V (+/-5%) input on golden finger
Power Consumption	16W without external devices

Gaming I/O	
I/O Interface	8-liner 72-pin + 20-pin Golden Finger Interface
Digital Input	• 30 x optical isolated input • State change interrupt
Digital Output	2 x 1000 mA and 25 x 500 mA digital output
Readable DIP Switch	2 x 8-bit DIP switch
Timer	4 x 16-bit timers with time out interrupt
Battery backup SRAM	• 1 x 256KB (Optional 2 x 512KB) • 1 x 220 mAh battery (optional 140 mAh rechargeable battery) • optional Battery voltage low log
Intrusion Logger	• Battery powered • 7 bits TTL level 5V pulled up input 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
Random Number Generator	YES
Software	
OS Support	Windows XP/XP Embedded, Linux
Software Development Kit	• Device driver • Application Program Interface (API) • Demo program
Mechanical & Environment	
Dimension	219.5mm x 196mm (8.62" x 7.72")
Weight	Net: 545g (1.3Lb)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE, FCC class A

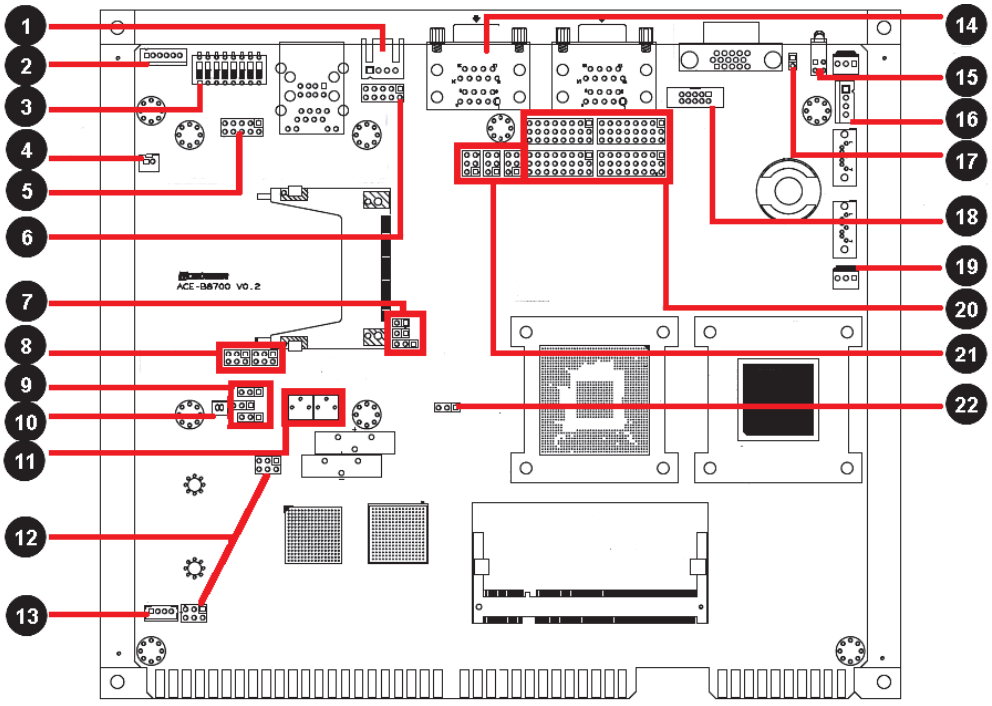
Packing List
• 1 x ACE-B8700
• 1 x Driver CD
• 1 x Quick user manual

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

Dimension



Jumper Setting



1.	JST connector for ccTalk(Signal share with COM6).
2.	JST connector for Keyboard and Mouse.
3.	8-bit readable DIP switch.
4.	JST connector for Case Open Intrusion logger.
5.	Pin header for 2 USB ports.
6.	Pin header for RS232 port.
7.	CF Card master/slave/voltage select pin header.
8.	Bill enable, Coin enable and Hopper pre-set pin header.
9.	SRAM A and SRAM B supply voltage select from BAT2 or BAT3 pin header.
10.	Rechargeable Battery for SRAM A and SRAM B.
11.	Adjust audio volume.
12.	Select Audio output with/without amplifier pin header.
13.	JST connector for Audio output.
14.	RS232/ccTalk/RS485 output.
15.	LED for Power & HDD.
16.	JST connector for SATA power.
17.	Reset pin header.
18.	Secondary VGA.
19.	CPU Fan Connector.
20.	Select COM1 or COM2 is RS232 or TTL. COM3 is RS232 or ccTalk. COM4 is RS232 or RS485.
21.	Select COM3 is RS232 or ccTalk. COM4 is RS232 or RS485. COM6 is RS232 or ccTalk.
22.	Clear CMOS pin header.