



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

General PC Feature

CPU	Onboard VIA C7 1.5GHz
Chipset	VIA VX800
Front Side Bus	400MHz
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
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
Real Time Clock	1 x system RTC and 1x secured RTC
Fan Connector	1x CPU fan and 1x 12V fan connectors

Video

Graphic Controller	Integrated VIA Chrome9TM HC3 integrated graphic controller, Supports DX9.0
Video Memory	Maximum 256MB shared
Video Interface	<ul style="list-style-type: none"> • 1 x VGA (DB15) • 1 x optional secondary VGA

PCI Express Slot

SATA	2 x SATA II port
CF	1 x Compact Flash Type I/II socket support UDMA

Communication

Ethernet	1 x 100Mbps RJ45 with LED, Realtek
USB	4 x USB2.0 (2 x external port, 2 x pin header)
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)

Audio

Output	Stereo
Amplifier	6 Watts per channel
Volume Channel	2 x volume control variable resistor

Other Feature

PS/2	1 x PS/2
Hardware Monitoring	-
WatchDog Timer Indicator	Software programmable 1~255 sec. HDD and Power LED

Gaming Function

I/O Interface	8-liner 72-pin + 20-pin Golden Finger Interface
Digital Input	<ul style="list-style-type: none"> • 30 x optical isolated input • State change interrupt

Gaming Function

Digital Output	2 x 1000 mA and 25 x 500 mA digital output
Readable DIP Switch	2 x 8-bit DIP switch
GPIO (TTL Level)	-
Timer	4 x 16-bit timers with time out interrupt
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
EEPROM	-
Jurisdiction Chip	-
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
Smart Card Reader	-
Reel Mechanism Control	-
Smart Hard Meter	-
Random Number Generator	-
Security	ProtectU + optional iButton socket

Power Requirement

Power Input	5V (+/-5%) and 12V (+/-5%) input on golden finger
Power Consumption	16W without external devices

Software

OS Support	Windows XP/XP Embedded, Linux
Software Development Kit	<ul style="list-style-type: none"> • 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
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