

ACE-S8700/8701

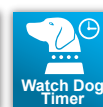
VIA C7 + VX800 All-in-One International Gaming System



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

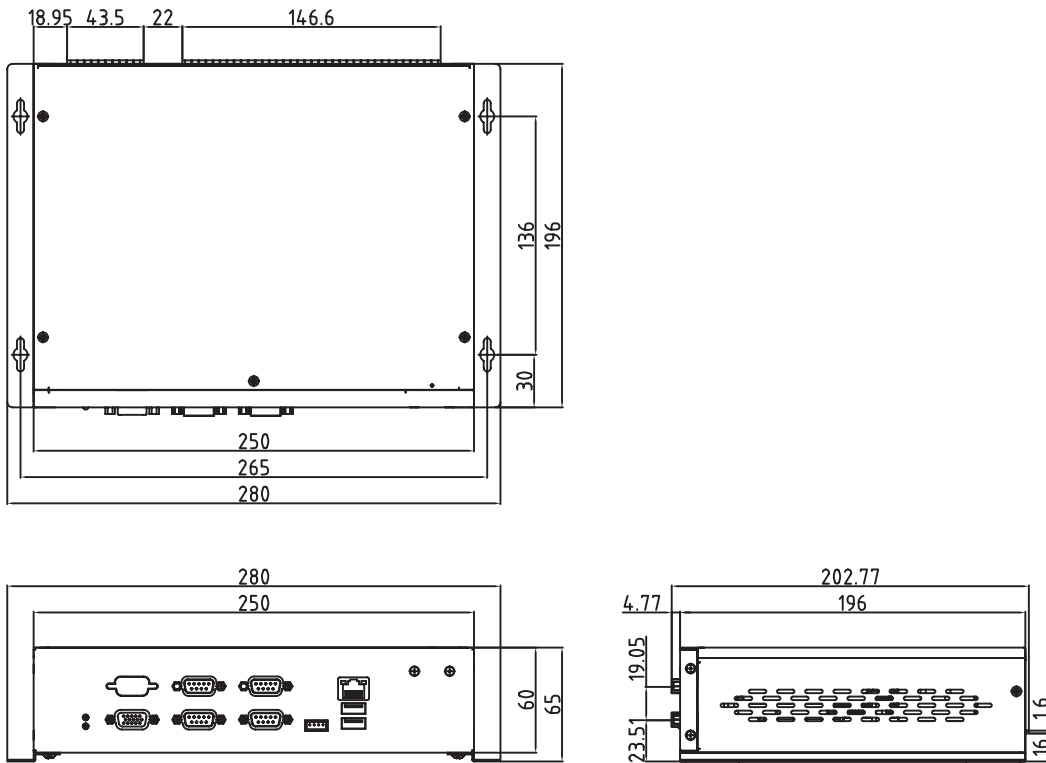


Specification *Invention Patent I334065*

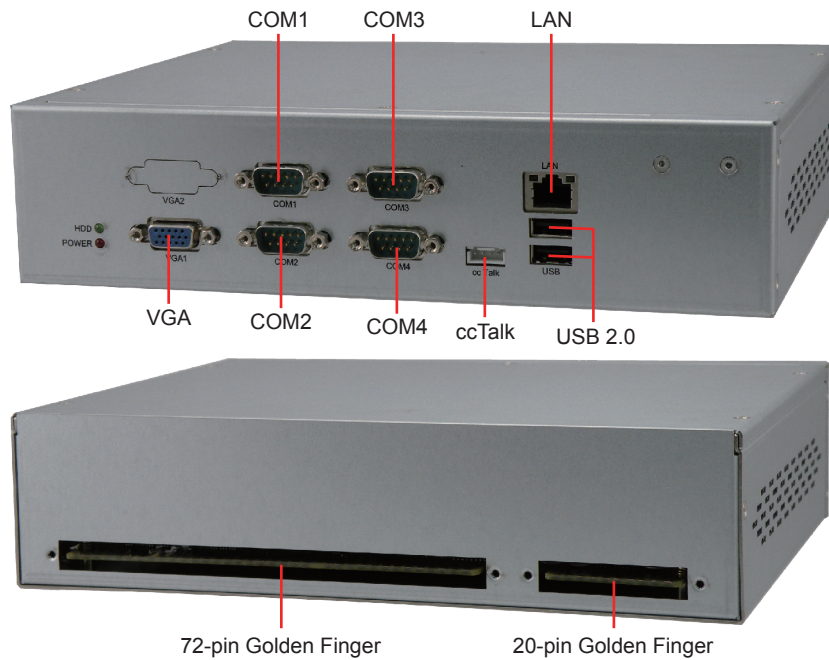
General PC Feature	
CPU	Onboard VIA C7 1.5GHz
Chipset	VIA VX800
Memory	<ul style="list-style-type: none"> ● Onboard 512MB DDR2 SDRAM ● 1 x 200-pin SO-DIMM socket support 667MHz DDR2 SDRAM up to 1GB
Battery	<ul style="list-style-type: none"> ● 1 x Li-Ion Battery for system RTC(CR2032) ● 1 x 220 mAh CR2032 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
Video	
Graphic Controller	Integrated VIA Chrome9TM HC3 integrated graphic controller, Supports DX9.0
Video Memory	shared Memory
Video Interface	<ul style="list-style-type: none"> ● 1 x VGA (S8700) ● 2 x VGA (S8701)
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	<ul style="list-style-type: none"> ● 2 x RS-232/TTL (DB9) ● 1 x RS-232/422/485 (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	
WatchDog Timer Indicator	Software programmable 1~255 sec. HDD and Power LED

Gaming I/O	
Readable DIP Switch	2 x 8-bit DIP switch
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
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
Chassis Intrusion Switch	1 x switch on system chassis
Random Number Generator	Yes
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
Digital Output	2 x 1000 mA and 25 x 500 mA digital output
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	
Thermal Design	CPU Fan
Chassis Material	SPGC steel
Dimension (W x H x D)	250mm x 198mm x 60mm (9.84" x 7.80" x 2.36")
Operating Temp.	0 ~ 50°C (32 ~ 122°F)
Storage Temp.	-20 ~ 80°C (-4 ~ 176°F)
Relative Humidity	0 to 90% @ 40°C, non-condensing
Safety	CE, FCC class A

Dimension



I/O Connector



Packing List

- 1 x ACE-S8700
- 1 x Software driver CD
- 1 x Quick user's manual

Ordering Information

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|-------------------------------|------------------------------|
| ACE-S8700C715 | ACE-S8700 with VIA C7 1.5GHz |
| ACE-S8701C715 | ACE-S8701 with Dual VGA |