



## Features

- ✓ 915GME with Pentium M/Celeron M
- ✓ 29-bit Interruptible Digital Input
- ✓ 43-bit High Current Output
- ✓ JAMMA & 72-pin Golden Finger Interface
- ✓ Dual 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

<b>CPU</b>	<ul style="list-style-type: none"> <li>• Intel Pentium M 760 2.0GHz</li> <li>• Intel Pentium M 745 1.8GHz</li> <li>• Intel Celeron M 370 1.5GHz</li> </ul>
<b>Chipset</b>	Intel 915GME + ICH6M
<b>Front Side Bus</b>	400/533MHz
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 2 x 240-pin DIMM socket support 533/667MHz</li> <li>• Dual Channel DDR2 SDRAM up to 2GB</li> <li>• 512MB DDR2 pre-installed</li> </ul>
<b>Battery</b>	<ul style="list-style-type: none"> <li>• 1 x 220mAh battery for system RTC</li> <li>• 2 x 140mAh re-chargeable batteries for SRAM, Second RTC, Intrusion Logger</li> </ul>
<b>Real Time Clock</b>	1 x system RTC and 1x secured RTC

### Video

<b>Graphic Controller</b>	Intel 915GME integrated GMA 900 graphic controller
<b>Video Memory</b>	DVMT 3.0, Maximum 128MB shared
<b>Video Interface</b>	2 x VGA (DB15)
<b>PCI Express Slot</b>	1 x PCI Express x16 slot

### Storage

<b>IDE</b>	1 x IDE (40-pin)
<b>SATA</b>	2 x SATA I port (Option)
<b>CF</b>	1 x Compact Flash Type I/II socket support UDMA

### Communication

<b>Ethernet</b>	1 x 100Mbps RJ45 with LED, Intel 82562ET PHY
<b>USB</b>	6 x USB2.0 (2 x external port, 4 x pin header)
<b>Serial Port</b>	5 x RS-232 (5 x DB9, COM4 selectable for ccTalk)

### Audio

<b>Output</b>	Stereo
<b>Amplifier</b>	6 Watts per channel
<b>Volume Channel</b>	Left channel

### Other Feature

<b>Hardware Monitoring</b>	<ul style="list-style-type: none"> <li>• CPU voltage and speed</li> <li>• CPU and system temperature</li> </ul>
<b>WatchDog Timer Indicator</b>	Software programmable 1~255 sec. HDD and Power LED

### Gaming Function

<b>I/O Interface</b>	JAMMA & 72-pin Golden Finger Interface
<b>Digital Input</b>	<ul style="list-style-type: none"> <li>• 29 x optical isolated input</li> <li>• State change interrupt</li> </ul>
<b>Digital Output</b>	43 x 500 mA digital output
<b>Readable DIP Switch</b>	2 x 8-bit DIP switch
<b>GPIO (TTL Level)</b>	20 bits (optional)
<b>Timer</b>	4 x 16-bit timers with time out interrupt

### Gaming Function

<b>Battery backup SRAM</b>	<ul style="list-style-type: none"> <li>• 2 x 256KB (Optional 2 x 512KB)</li> <li>• 140 mAh rechargeable battery</li> <li>• Battery voltage low log and voltage readback 1K Bytes</li> </ul>
<b>EEPROM</b>	-
<b>Jurisdiction Chip</b>	-
<b>Intrusion Logger</b>	<ul style="list-style-type: none"> <li>• 1 x chassis intrusion switch + 5 bits on golden fingers</li> <li>• 10 events with time stamps</li> <li>• 140 mAh rechargeable battery</li> <li>• battery voltage low log and voltage readback 1 x switch on system chassis</li> </ul>
<b>Chassis Intrusion Switch</b>	1 x switch on system chassis
<b>Smart Card Reader</b>	-
<b>Reel Mechanism Control</b>	-
<b>Smart Hard Meter</b>	-
<b>Random Number</b>	16 bits
<b>Generator</b>	-
<b>Security</b>	iButton socket and ProtectU

### Power Requirement

<b>Power Input</b>	5V (+/-5%) and 12V (+/-5%) input on golden finger
<b>Power Consumption</b>	43.2W without external devices

### Software

<b>OS Support</b>	Windows XP/XP Embedded, Linux
<b>Software Development Kit</b>	<ul style="list-style-type: none"> <li>• Device driver</li> <li>• Application Program Interface (API)</li> <li>• Demo program</li> </ul>

### Mechanical & Environment

<b>Thermal Design</b>	Fanless
<b>Chassis Material</b>	SPGC steel
<b>Dimension (W x H x D)</b>	245mm x 180mm x 150mm (9.93" x 7.41" x 3.15")
<b>Weight</b>	Gross: 5.5kg (12.2Lb)
<b>Operating Temp.</b>	0~50°C (32~122°F)
<b>Storage Temp.</b>	-20~80°C (-4~176°F)
<b>Relative Humidity</b>	0 to 90% @ 40°C, non-condensing
<b>Safety</b>	CE, FCC class A

### Packing List

- 1 x ACE-S5292FL
- 1 x Software driver CD
- 1 x Quick user's manual
- 2 x Mounting bracket
- 1 x Screw pack

### Ordering Information

<b>ACE-S5292FLPM20</b>	ACE-S5292FL with Intel Pentium M 760 2.0GHz
<b>ACE-S5292FLPM18</b>	ACE-S5292FL with Intel Pentium M 745 1.8GHz
<b>ACE-S5292FLCM15</b>	ACE-S5292FL with Intel Celeron M 370 1.5GHz