



## Features

- ✓ 915GME with Pentium M/Celeron M
- ✓ 14-bit Interruptible Digital Input
- ✓ 15-bit High Current Output
- ✓ Italian JAMMA Interface
- ✓ Dual 256KB Battery Backup SRAM with Battery Low Event Logger
- ✓ Dual VGA
- ✓ 4 x 16-bit Interruptible Timer
- ✓ 4-bit Intrusion Logger Input

## Specification

Invention Patent I334065

### General PC Feature

|                        |  |
|------------------------|--|
| <b>CPU</b>             | <ul style="list-style-type: none"> <li>• Intel Pentium M 1.6GHz</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 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 (2 x DB15)                                 |
| <b>PCI Express Slot</b>   | -  |

### Storage

|             |   |
|-------------|---|
| <b>IDE</b>  | 1 x IDE (40-pin)                                |
| <b>SATA</b> | 1 x SATA I port                                 |
| <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> | 4 x RS-232 (4 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</b>      | Software programmable 1~255 sec.  |
| <b>Indicator</b>           | HDD and Power LED   |

### Gaming Function

|                            |   |
|----------------------------|---|
| <b>I/O Interface</b>       | Italian JAMMA Interface   |
| <b>Digital Input</b>       | <ul style="list-style-type: none"> <li>• 14 x optical isolated input</li> <li>• State change interrupt</li> </ul> |
| <b>Digital Output</b>      | 15 x 1000 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 + 3 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> | 51.9W 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> | 279mm x 190mm x 82mm (10.99" x 7.49" x 3.23") |
| <b>Weight</b>                | -   |
| <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-S5296FL
- 1 x Software driver CD
- 1 x Quick user's manual
- 2 x Mounting bracket
- 1 x Screw pack

### Ordering Information

|                        |  |
|------------------------|--|
| <b>ACE-S5296FLPM16</b> | ACE-S5296FL with Intel Pentium M 1.6GHz, 512MB DDR2 and 2 x 256KB SRAM |
| <b>ACE-S5296FLCM15</b> | ACE-S5296FL with Intel Celeron M 1.5GHz, 512MB DDR2 and 2x 256KB SRAM  |