



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

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

Video

| | |
|---------------------------|--|
| Graphic Controller | Intel 915GME integrated GMA 900 graphic controller |
| Video Memory | DVMT 3.0, Maximum 128MB shared |
| Video Interface | 1 x VGA (DB15) |
| PCI Express Slot | - |

Storage

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

Communication

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

Audio

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|-----------------------|---------------------|
| Output | Stereo |
| Amplifier | 6 Watts per channel |
| Volume Channel | Left channel |

Other Feature

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

Gaming Function

| | |
|----------------------------|---|
| I/O Interface | JAMMA & 72-pin Golden Finger Interface |
| Digital Input | <ul style="list-style-type: none"> • 30 x optical isolated input • State change interrupt |
| Digital Output | 27 x 500 mA digital output |
| Readable DIP Switch | 2 x 8-bit DIP switch |
| GPIO (TTL Level) | 20 bits (optional) |
| Timer | 4 x 16-bit timers with time out interrupt |

Gaming Function

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

Power Requirement

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|--------------------------|---|
| Power Input | 5V (+/-5%) and 12V (+/-5%) input on golden finger |
| Power Consumption | 40W without external devices |

Software

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|---------------------------------|--|
| 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 | Fanless |
| Chassis Material | SPGC steel |
| Dimension (W x H x D) | 252mm x 188mm x 80mm (9.93" x 7.41" x 3.15") |
| Weight | Net: 2.9kg (6.4Lb), Gross: 4.5kg (10Lb) |
| 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 |

Packing List

- 1 x ACE-S5290FL
- 1 x Software driver CD
- 1 x Quick user's manual
- 2 x Mounting bracket

Ordering Information

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|------------------------|---|
| ACE-S5290FLPM20 | ACE-S5290FL with Intel Pentium M 760 2.0GHz |
| ACE-S5290FLPM18 | ACE-S5290FL with Intel Pentium M 745 1.8GHz |
| ACE-S5290FLCM15 | ACE-S5290FL with Intel Celeron M 370 1.5GHz |