

ACE-B7300

AMD 780E All-in-One JAMMA Gaming Board



Features

- AMD 780E Integrated Radeon graphic controller
- Supports DX10.0 & OpenGL 3.3
- JAMMA interface
- 1MB battery backup SRAM (max. 2MB)
- 6W stereo Amplifier
- Timer & Meter pulse generator
- Intrusion Logger
- PCI-E x16 slot



Invention Patent I334065

Specification

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CPU	On-board AMD 1.5GHz Single Core or Dual Core processor
Chipset	AMD 780E + SB710
Memory	Dual DDR2 800MHz SO-DIMM Socket up to 4GB

Video

Graphic Controller	Integrated AMD Radeon HD 3200 graphic controller, supports DX10.0 & OpenGL 3.3
Video Memory	Shared Memory
Video Interface	2 x VGA
Expansion Slot	1x PCI-E x16 slot

Storage

SATA	2 x SATA 2.0 connector
CF	1 x Compact Flash Type I/II socket

Communication

Ethernet	1 x GbE LAN with RJ45
USB	4 x USB 2.0 (2 x external, 2x internal)
Serial Port	<ul style="list-style-type: none"> • 1 x RS-232 with female DB9 for AAMS • 1 x RS-232 with male DB9 • 1 x ccTalk on JAMMA with +12/24V power • 1 x 4-pin ccTalk connector

Audio

Output	Stereo output on JAMMA
Amplifier	6 Watt per channel

Gaming I/O

I/O Interface	JAMMA golden finger
Digital Input	<ul style="list-style-type: none"> • 11 x 5KV optical isolated input • 6 x door input (TTL) • Programmable debounce time • State Change interrupt
Digital Output	<ul style="list-style-type: none"> • 12 x 500 mA outputs • 3 x 1000 mA • Meter outputs support pulse generator
Readable DIP Switch	8-bit (Optional)
Timer	4 x 16-bit programmable timer

Gaming I/O

SRAM	1MB, optional 2MB 500mAh re-chargable battery
EEPROM	1KB
Event Logger	<ul style="list-style-type: none"> • 6 x anti-temper inputs • SRAM battery low detections • Power and Reset event
Smart Card Reader	On board smart card reader
Secured Real Time Clock	Password protected

Other Feature

Indicator	HDD and Power LED
Fan connector	3 x 12V fan connectors
WatchDog Timer	Software programmable 1~255 sec.

Power Requirement

Power Input	5V & 12V for system, 24V for ccTalk
Power Consumption	70 Watts

Software

OS Support	Windows 7, 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	260 mm x 230 mm (10.236" x 9.055")
Operating Temp.	0~60°C (32~140°F)
Storage temp.	-20~80°C (-4~ 176°F)
Relative Humidity	0~90% @ 40°C, non-condensing
Safety	CE, FCC compliant

