

# ACE-S7400

AMD eOntario All-in-One Gaming System



## Features

- AMD Radeon HD 6310 Integrated Graphic Controller
- Supports DX11 & OpenGL 4.1
- 32 digital inputs and 32 digital outputs with Micro-Fit 3.0 connector
- 6 serial ports, 4 x RS-232, 2 x RS-232/485/ccTalk
- 2MB SRAM memory (max. 4MB)
- Timer & Meter pulse generator, counters
- Intrusion Logger



CE FCC Invention Patent I334065

## Specification

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CPU	AMD Dual Core:T48N 1.4GHz
Chipset	AMD Fusion Control Hub A55E
Memory	<ul style="list-style-type: none"> <li>• 2 x DDR3 SO-DIMM up to 8GB,</li> <li>• 1GB pre-installed</li> </ul>

### Video

Graphic Controller	Integrated Radeon HD 6310, support DX11, OpenGL 4.1
Video Memory	shared memory
Video Interface	1 x DVI-I (DVI or VGA) + 1 x DVI, Dual display supported

### Storage

SATA	2 x SATA 2.0 connectors
CF	2 x Compact Flash Type II socket

### Communication

Ethernet	2 x GbE LAN with RJ45 connector
USB	8 x USB 2.0 (6 x external, 2 x internal)
Serial Port	<ul style="list-style-type: none"> <li>• 4 x RS-232 with male DB9</li> <li>• 2 x RS-232/RS-485/ccTalk with Micro-Fit 3.0 7-pin connector</li> </ul>

### Audio

Output	<ul style="list-style-type: none"> <li>• 2.1 channel from Micro-Fit 3.0 connector</li> <li>• 5.1 channel from box header</li> </ul>
Amplifier	<ul style="list-style-type: none"> <li>• 2.1 channel (10W x 2 + 20W)</li> <li>• 5.1 channel un-amplified</li> </ul>

### Other Feature

WatchDog Timer	1 to 255 seconds programmable
Indicator	HDD and Power LED
Expansion Slot	1 x Mini PCIe slot
Reset	1 x system reset connector

### Gaming I/O

I/O Interface	Micro-Fit 3.0 connector
Digital Input	<ul style="list-style-type: none"> <li>• 32 x external inputs (Features 4 counters, 5 intrusion loggers)</li> <li>• 8-bit DIP switch</li> <li>• Programmable debounce time</li> <li>• State Change interrupt</li> </ul>

### Gaming I/O

Digital Output	<ul style="list-style-type: none"> <li>• 29 x 500 mA outputs (features 8 pulse generators)</li> <li>• 3 x 1000 mA outputs</li> <li>• Meter outputs support pulse generator</li> </ul>
Readable DIP Switch	8-bit (Optional)
GPIO	16-bit TTL level GPIOs
Timer	4 x 16-bit programmable timer
SRAM	<ul style="list-style-type: none"> <li>• 2 x 1MB (optional 2 x 2MB)</li> <li>• 2 x 500mAh re-chargeable battery</li> </ul>
EEPROM	1KB
Door Intrusion Logger	<ul style="list-style-type: none"> <li>• 5 x external, 1 x internal, 1 x chassis door intrusion inputs</li> <li>• 2 x SRAM battery low detections</li> <li>• Power and Reset event</li> </ul>
Smart Card Reader	N/A
Secured Real Time Clock	Password protected
Software Security	<ul style="list-style-type: none"> <li>• 1x DS2404 on board iButton chip</li> <li>• 1 x external 1 wire interface for iButton</li> <li>• ProtectU 2.0: AES, HASH</li> </ul>

### Power Requirement

Power Input	<ul style="list-style-type: none"> <li>• 12V for system</li> <li>• 12V or 24V for ccTalk</li> </ul>
Power Consumption	max. 36W

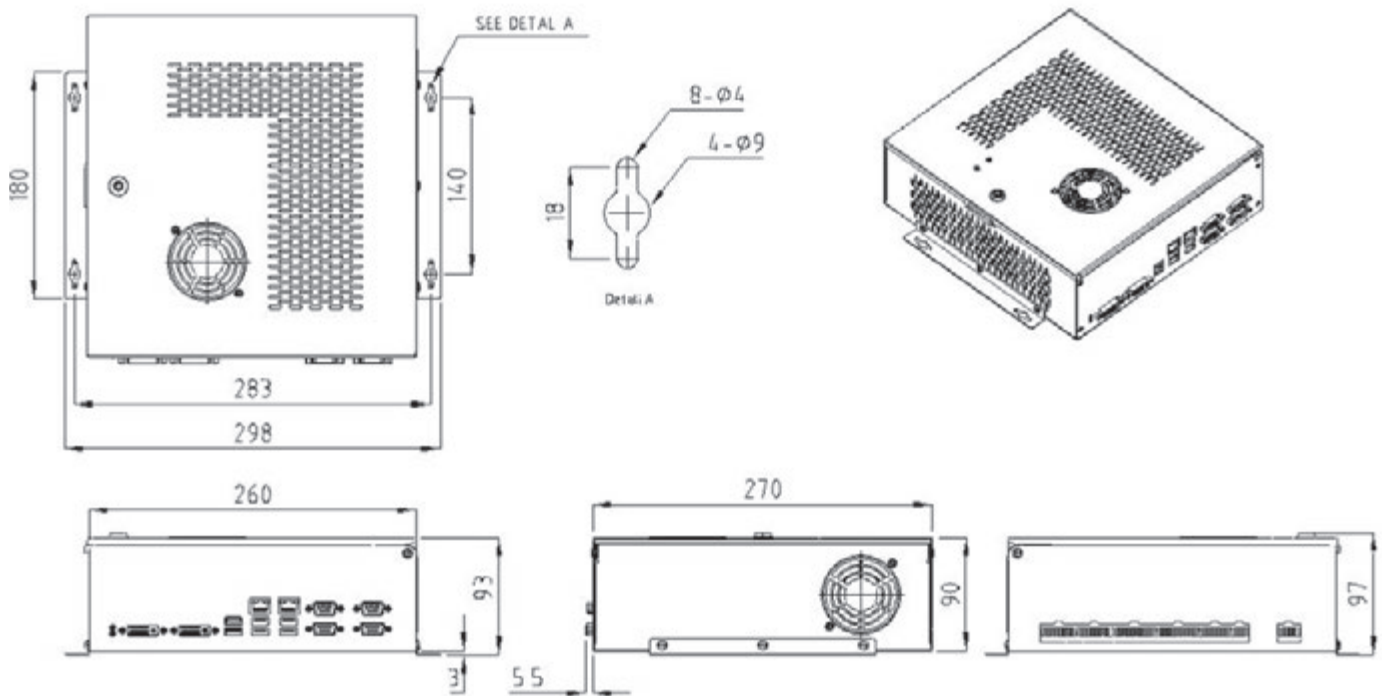
### Software

OS Support	Windows XP, Windows 7 (32/64 bit), Linux Fedora 14 (32 bit), Ubuntu 10.04 (32 bit)
Software Development Kit	<ul style="list-style-type: none"> <li>• Device driver</li> <li>• Application Program Interface (API)</li> <li>• Demo program</li> </ul>

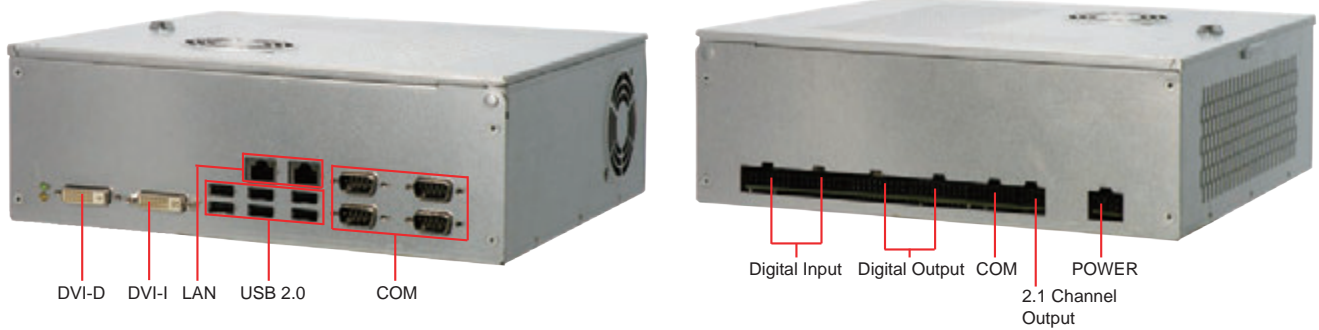
### Mechanical & Environment

Thermal Design	1 x CPU fan, 2 x system fan
Dimension	270 mm x 260 mm x 89 mm (10.63" x 10.236" x 3.504")
Operating Temp.	0~60°C (32~140°F)
Storage temp.	-20~80°C (-4~185°F)
Relative Humidity	0~90% @ 40°C, non-condensing
Safety	CE, FCC class A

## Dimension



## I/O Connectors



## Packing List

- ACE-S7400 x1
- Micro-Fit cable for digital input, COM, Audio, Power input x 1 set
- SATA power cable x 2
- DVI-I to VGA adaptor x1
- Internal USB cable x2
- Software Driver CD x 1
- Mounting bracket and screws x 2

## Ordering Information

ACE-S7400T48	ACE-S7400 with AMD T48N 1.4GHz Dual Core processor
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