

ACE-SHM76G1

Intel Ivy Bridge All-in-One gaming system



Features

- Chipset Intel HM76 chipset (Ivy Bridge Core i5 3230M)
- Display - VGA + DVI-D dual display
- SATA DOM door and key switch for easy maintenance and security
- Digital Input x 32 pin header
- Digital Output x 32 pin header
- 6 x COM(4 x RS232, 2 x RS232 / 422 / 485 / SAS (8 bit IC) communication.
- Door Switch for intrusion log use.



Specification

General PC Feature

CPU	Mobile Intel Ivy Bridge Core i5 3230M (2.60GHz, 3M cache, Dual cores)
Chipset	Intel HM76
Memory	Memory DDR3 (1.5V) 1066 MT/s, 1333 MT/s and 1600 MT/s Dual Channel 204Pin 1.5V DDR3
Battery	One 220mAh CR2032 for system RTC One extra rechargeable battery for door switch
Real Time Clock	1 x system RTC and 1x secured RTC
Fan Connector	2 x 12V fan connector

Video

Graphic Controller	Intel integrated HD graphic 4000 supports OpenGL 4.0 , DirectX 11
Video Memory	shared memory
Video Interface	2 x VGA (1 x DB15, 1 x pin header optional DVI-I)

Storage

SATA	2 x SATA 3.0 (SATA DOM)
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Communication

Ethernet	1 x GbE RJ45, Realtek RTL8111DL
USB	6 x USB (2 xUSB 2.0, 4 x USB 3.0)
Serial Port	4 x RS-232 (4x DB9) 2 x RS232 / 422 / 485 / SAS (8 bit IC) communication. (2 x male DB9 connector)

Audio

Output	2.1 channel output without amplifier Audio jack 3.5Φ (2 layers for stereo and sub-woofer)
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Other Feature

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

Gaming I/O

I/O Interface	micro fit connector
Digital Input	32 bits GPI by micro fit connector (digital logic,high above 3v,low is 0V)
Digital Output	32 bits GPO by micro fit connector (max.500ma drain current)
GPIO	32 bits
Door Switch	<ul style="list-style-type: none"> • 4 x Door Switches (2 x internal & 2 external) • One switch is designed for HDD open (SATA DOM) • One switch is designed for system open • 2 x external switches connected to micro fit • Door switch connect to GPI ports for intrusion log use.
Hardware Monitoring	<ul style="list-style-type: none"> • CPU temperature • System temperature • CPU voltage

Power Requirement

Power Input	+12V input from power connector (AT mode)
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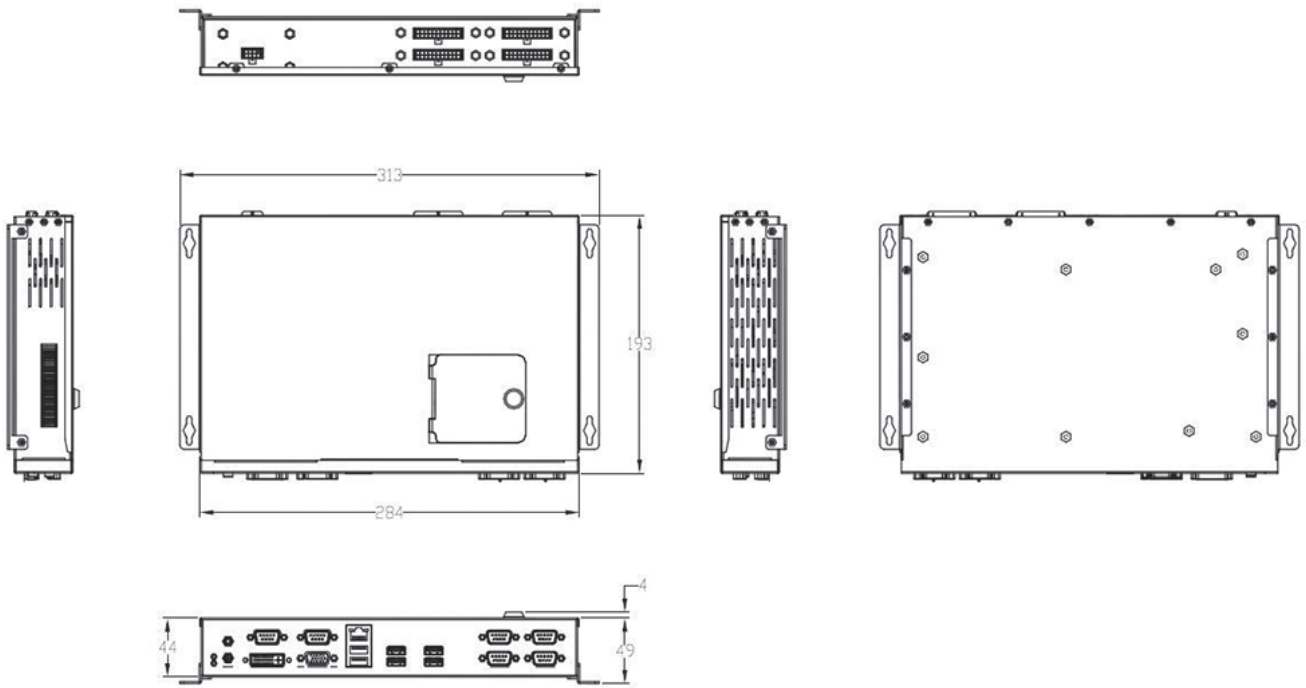
Software

OS Support	Support Windows 7(32 bit)/ Windows 7 Embedded(32 bit)
Software Development Kit	<ul style="list-style-type: none"> • Windows 7 (32 bit) and Windows 7 Embedded 32 bit (WES7) for • Chipset driver, LAN, audio & graphic • Digital I/O • Door switch • System Watchdog

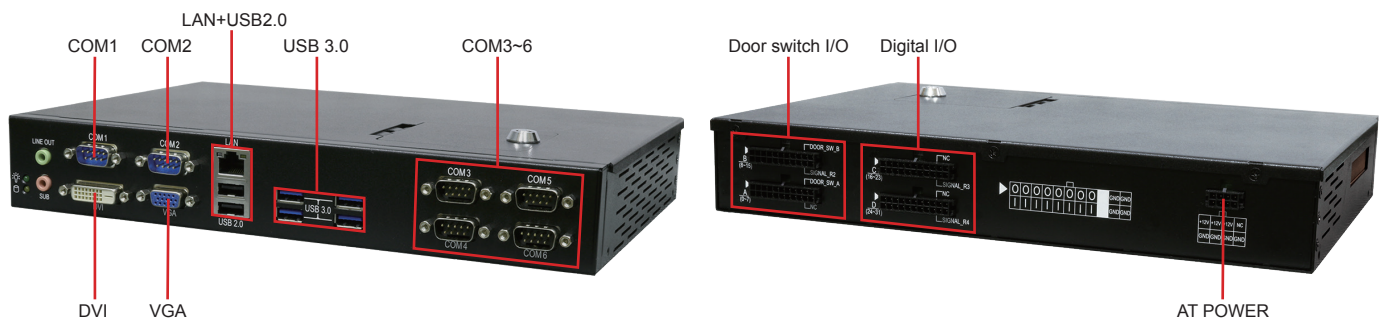
Mechanical & Environment

Dimension	193mm x 313mm x 49mm(D x W x H)
Operating Temp.	0 to 50 degree Celsius
Storage temp.	-20 to 85 degree Celsius
Relative Humidity	90% non-condensing
Safety	CE, FCC class A

Dimension



I/O Connectors



Packing List

- 1 x ACE-SHM76G1
- 1 x Driver CD
- 1 x Quick user manual
- 1 x Carton
- 4 x 22(2x11) pin micro fit cable for digital input
- 1 x 8(2x4) pin micro fit cable for power