



BPC-3060

Fanless Embedded Box PC with 4th Generation Intel® Core™ i5 Haswell Processor

The BPC-3060 is a high performance fanless Box PC with a 4th generation Intel® Core™ i5 Haswell processor conveniently housed within a compact enclosure. Though small in size, the BPC-3060 still provides rich I/O connectors, and supports up to four GbE ports with simultaneous high speed Ethernet communications. Additionally, the BPC-3060's three COM ports and one DIO port can make machine automation control or data collection easier. This high performance fanless Box PC is also ideal for video/graphics applications with dual HDMI 1.4a ports supporting up to 4096 x 2304 resolution. The fanless and rugged enclosure is designed to protect against electromagnetic interference and to suit various applications in the automation, digital signage, gaming, entertainment, medical, and networking markets.

Features

- 4th Generation Intel® Core™ i5 Dual-Core 1.9 GHz (Intel® Smart Cache 3 MB)
- 4 Gigabit Ethernet Ports
- 2 HDMI 1.4a, 4 USB 3.0, 3 COM, 8-bit DIO
- 1 Half-Size Mini PCIe (for WLAN Module)
- 2.5" SATA HDD
- 9-36 V DC Power Input

Applications

- Embedded Digital Signage Control Systems
- Factory Automation Applications
- Image Processing (e.g. Medical 2D and 3D imaging)
- Gaming and Entertainment Industries
- Network Communications

BPC-3060

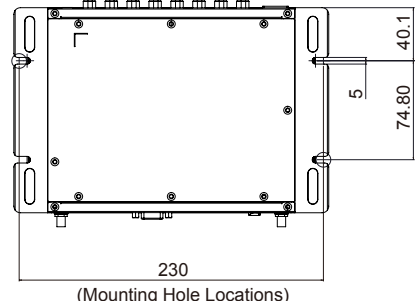
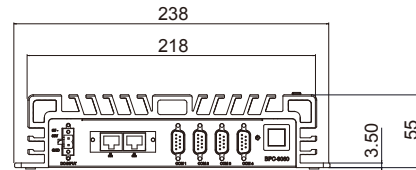
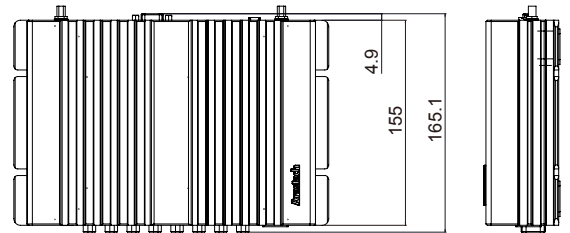
Fanless Embedded Box PC with 4th Generation Intel® Core™ i5 Haswell Processor



Specifications

	Model	BPC-3060-1A1	BPC-3060-2A1
Processor System	CPU	Intel® Core™ i5-4300U	
	Frequency	Dual-Core 1.9 GHz	
	Cache	Intel® Smart Cache 3 MB	
	System Chipset	N/A	
	BIOS	UEFI	
Memory	Technology	DDR3L 1333 MHz SDRAM	
	Max. Capacity	8 GB	
	Socket	204-pin SO-DIMM	
Display	Graphics Engine	Intel® HD Graphics 4400	
	HDMI	2 HDMI 1.4a up to 4096 x 2304	
	Dual Display	HDMI	
	USB	4 USB 3.0	
I/O Interface	Serial Port	1 RS-232, 2 RS-232/422/485 (set by BIOS)	2 RS-232, 2 RS-232/422/485 (set by BIOS)
	Digital I/O	8-pin Digital I/O (DB-9 connector)	N/A
Ethernet	Controller	4 GbE, 10/100/1000 Mbps	
Audio	Chipset	Realtek ALC662 High Definition Audio (HD)	
	Connectors	Line out, Mic in	
Expansion	Mini PCIe	1 Mini PCIe (half-size)	1 Mini PCIe (half-size) 1 Mini PCIe (full-size) shared with mSATA (set by BIOS)
	SATA	2.5" HDD / SSD, SATA III (Max. data transfer rate 600 MB/s)	
Storage	mSATA	N/A	1 mSATA shared with Mini PCIe (set by BIOS)
Power	Power Type	AT / ATX	
	Power Supply Voltage	9-36 V DC input (Phoenix Connector), 6.7-1.7 A	
	Power Adaptor	AC-to-DC, 12 V @ 5 A, 60 W	
	Power Consumption (Typical)	1.1 A @ 12 V (13.2 W)	1.07 A @ 12 V (12.9 W)
	Power Consumption (Max)	2.58 A @ 12 V (31 W)	2.41 A @ 12 V (29 W)
Environment	Operational	-20~60° C (-4~140° F) w/ 2.5" SSD (Humidity: 60° C @80% RH non-condensing)	
	Non-Operational	-40~85° C (-40~185° F) (Humidity: 50° C @ 95% RH Non-condensing)	
	Vibration	5 Grms, IEC 60068-2-64, random, 5~500 Hz, 1 Oct/min., 1hr/axis, x, y, z 3 axes (w/ SSD only) 1 Grms, IEC 60068-2-64, random, 5~500 Hz, 1 Oct/min., 1hr/axis, x, y, z 3 axes (w/ 2.5" HDD)	
	Shock	50 G, IEC 60068-2-27, half sine, 11 ms duration (w/ SSD only) 20 G, IEC 60068-2-27, half sine, 11 ms duration (w/ 2.5" HDD)	
Certificate	EMC	CE, FCC Class A	
General	Dimensions (W x H x D)	238 x 55 x 165 mm (9.37" x 2.16" x 6.5")	
	Weight	1.73 kg (3.81 lb)	1.69 kg (3.72 lb)
	Operating System	Windows 7/8, WS7E/P, WES8	

Dimensions



(Mounting Hole Locations)

Packing List

Description
1 x BPC-3060
1 x Driver CD
1 x Power Adaptor (AC-to-DC, 12 V @ 5 A, 60 W)

Ordering Information

Part No.	Description
BPC-3060-1A1	Intel® Core™ i5-4300U w/ 4 USB, 3 COM, 8-bit DIO, 4 GbE, line out, mic in, 2 HDMI
BPC-3060-2A1	Intel® Core™ i5-4300U w/ 4 USB, 4 COM, 2 GbE, line out, mic in, 2 HDMI

Optional Items

Part No.	Description
ACS-PS-US	Power Cable 3-pin, 180cm, USA Type
ACS-PS-EU	Power Cable 3-pin, 180cm, Euro Type
ACS-PS-CN	Power Cable 3-pin, 180cm, China Type

Arestech

Embedded & Automation Solutions

Tel: 886-2-2790-1930 | Fax: 886-2-2790-1936

www.arestech.com.tw

