



BPC-5050-2PCI

Fanless Expandable Box PC Support Intel® Core™ i CPU

The BPC-5050-2PCI fanless Box PC is ideal for video/graphic and automation control applications. This fanless, embedded ultra-low power platform is designed with an Intel® Core™ processor which is the 3rd generation Intel® Core™ processor designed with triple-display support, and Dual-Core Technology speeds up to 2.5 GHz while maintaining the same low power consumption and powerful computing ability. The BPC-5050 has a highly reliable chassis with a thermally-enhanced ripple fin design offering great thermal performance (-5 ~ 45°C) while also integrating anti-vibration and shock resistance. The BPC-5050-2PCI is the ideal fanless Box PC controller for use with digital signage, surveillance, image processing, or machine automation industries.

Features

- Support Intel® Core™ Socket rPGA 988B
- DDR3 1066 / 1333 / 1600 MHz SO-DIMM up to 16 GB
- Triple display supports DVI, DP, HDMI
- 2 GbE, HD Audio, 2 USB 3.0, 4 USB 2.0, 6 COM, 2 PCI
- -5 ~ 45° C operating temperature

Applications

- Embedded Digital Signage Control Systems
- Factory Automation Applications
- Image Processing (e.g. AOI)
- Machine Automation
- Transportation Management

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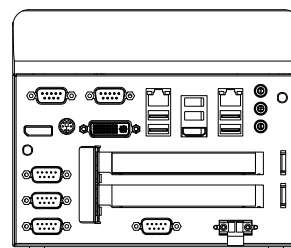
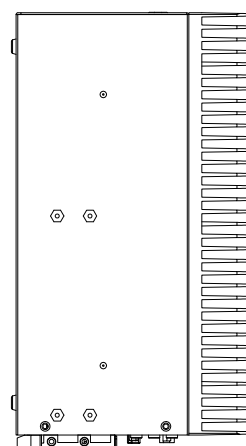
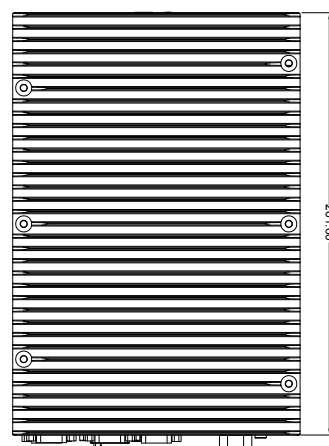
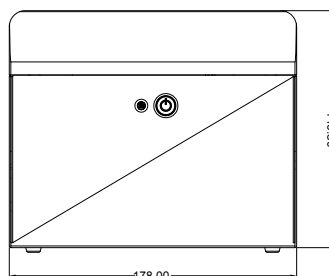
Fanless Expandable Box PC Support Intel® Core™ i CPU



Specification

	Model	BPC-5050-2PCI
Processor System	CPU	Support Intel® Core™ Socket rPGA 988B CPU: i3 3110M 2.4 GHz / i5 3210M 2.5 GHz / i7 3612QM 2.1GHz
	L3 Cache	L3: 3 MB (i3 3110M)
	System Chipset	Intel QM77
	BIOS	UEFI
Memory	Technology	Dual Channel DDR3 1066/1333/1600 MHz
	Max. Capacity	16 GB
	Socket	2 (204-pin SO-DIMM)
Display	Chipset	Intel QM77
	Graphics Engine	Intel HD Graphic 4000
	VGA	N/A
	DVI-I	up to 1920 x 1200
	DP	up to 2560 x 1600
	HDMI	1920 x 1200, HDMI v1.4 up to 1080p
I/O Interface	Triple Display	DVI+DP+HDMI
	USB	2 USB 3.0, 4 USB 2.0
	Serial Port	6 COM (Default: 5 RS-232; 1 RS-232/422/485 set by BIOS)
Ethernet	GPIO	N/A
	Controller	Dual GbE, 10/100/1000 Mbps (Intel 82579LM / 82583V)
Audio	Chipset	Realtek ALC887, High Definition Audio (HD)
	Connectors	Line in, line out, mic in
Storage	mSATA	N/A
	SATA III	1 (Max data transfer rate 600 MB/s)
Expansion	Mini PCIe	1 Full-size mini PCIe
	PCI	2 PCI expansion slots
Power	Power Type	AT/ATX
	Power Supply Voltage	Single 12 V DC input
	Power Consumption (Typical)	1.79A @ 12V, 21.5W (i3-3110M) (w/o PCI cards)
	Power Consumption (Max)	4 A @ 12 V, 48 W (i3-3110M) (w/o PCI cards)
Environment	Operational	-5 ~ 45° C (23 ~ 113° F) with I-grade SSD
	Dimensions (W x H x D)	180 x 150 x 262 mm (7.09" x 5.91" x 10.31")
General	Weight	4.12 kg (9.08 lb)
	Operating System	Win XP Embedded; Windows Embedded 7/8 (WS7P/WS7E/WS8)

Dimensions



Packing List

Description
1 x BPC-5050-2PCI
1 x Driver CD
1 x Power Adaptor (AC-to-DC, 12V @ 7 A, 84 W)

Ordering Information

Part No.	Description
BPC-5050-2PCI	Intel® Core™ i rPGA 988B Processor, w/ HDMI, DVI-I, 2 USB 3.0, 4 USB 2.0, 6 COM, 2 GbE, 2 PCI slots

Optional Items

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

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