

# PBC-02013

Industrial Fanless Embedded Box-PC with Intel® SoC Celeron, i3/i5/i7 4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> Gen processor, Dual LAN, Mini PCIe for Wi-Fi



## FEATURES

- Integrated Intel® SoC Celeron, i3/i5/i7 -4<sup>th</sup>, 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup> & 8<sup>th</sup> Gen processor
- 2-DDR4 SODIMM 2133MHz, Max support 32GB
- Support dual display, 1-HDMI,1-VGA display output.
- 2-WGI211AT Gigabit network, support Wake on LAN, PXE function
- 6-RS232 DB9 interface, COM1/2 supports the 9<sup>th</sup> pin 5V/12V live, COM5/6 supports RS485 switching, 4/2-USB3.0, 2/4-USB2.0
- Support 1-12PIN Phoenix terminal, 4-In/4-Out GPIO/switch/5V DC output
- DC12V power input

## IMAGES



## SPECIFICATIONS

System	CPU	Integrated Intel® Soc Celeron, Core i3/i5/i7 -4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> , 7 <sup>th</sup> & 8 <sup>th</sup> Gen processor
	Chipset	SoC
	Graphic	Integrated Intel® Graphics [ordering Info. It depends on processor spec.]
	Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)
Memory	Technology	2-DDR3/ DDR4 SODIMM, dual channel [ordering Info. It depends on processor spec.]
	Size	Maximum support 8GB/16GB/32GB
Rear panel Interface	Switch	Power & reset.
	AC Loss	1 -AC LOSS [Power on toggle switch]
	USB	2-USB 2.0, 1-built-in USB dongle [ordering Info]
	GPIO	1-12pin, 4-In/4-out, switch 5V
	COM	2-RS232/RS485 switching
	SIM	1
Front panel interface	COM	4-RS232 [COM1/2 supports 9pin 5V/12V live]
	USB	2/4-USB3.0 [ordering Info]
	LAN	2-Intel® WGI211AT support Wake on LAN, PXE function
	VGA	1
	HDMI 1.4	1
Storage	Audio	Line-out/ Mic-In
	SATA	1-2.5-inch HDD
	mSATA	1-mSATA up to 6Gbps
Expansion	Mini PCIe	1-support Wi-Fi / 4G module
	M.2	1-support 2260/2280 NVME PCIe standard SSD [ordering Info]
Software	OS	Win 7/10, 64bit, Ubuntu
Power	Input	1-DC12V
	Output	AC to DC adapter 36W / 60W [optional]
Mechanical	Structure	All aluminium alloy fanless
	Colour	Bright black
	Dimension (L x W x H)	174mmx148mmx57mm *[may change based on processor TDP]
	Weight	1.35KG
Environment	Installation	Desktop / embedded
	Operating Temperature	-10°C – 60°C Compliance
	Storage Temperature	-20°C – 70°C Compliance
	Relative Humidity	5%-95% Relative humidity, no condensation Compliance

## ORDERING INFO

PBC-02013-1	Intel Celeron J1900, 2.00GHz, Memory up to 8GB, NO-M.2, 5-USB 2.0, 1-USB 3.0, 1-Built in USB
PBC-02013-2	Intel Celeron 3865U, 1.80GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-3	Intel core i3-4120U, 2.00GHz, Memory up to 16GB, NO-M.2, 4-USB 2.0, 2-USB 3.0, NO-Built in USB
PBC-02013-9	Intel core i3-8145U, 2.10GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-4	Intel core i5-5250U, 1.60GHz, Memory up to 16GB, NO-M.2, 4-USB 2.0, 2-USB 3.0, NO-Built in USB
PBC-02013-5	Intel core i5-6360U, 2.00GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-7	Intel core i5-7200U, 2.50GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-10	Intel core i5-8265U, 1.60GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-6	Intel core i7-6650U, 2.20GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-8	Intel core i7-7600U, 2.80GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB
PBC-02013-11	Intel core i7-8565U, 1.80GHz, Memory up to 32GB, 1-M.2, 2-USB 2.0, 4-USB 3.0, 1-Built in USB