

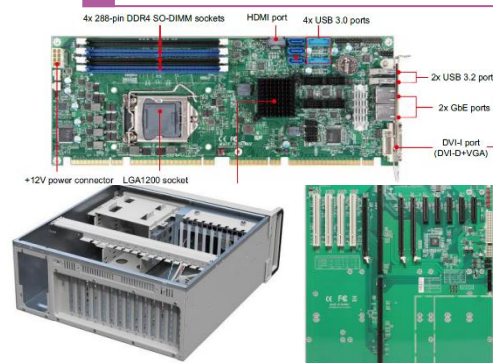
## FEATURES

PW-IPC-811513A4-4U IPC is based on Intel® Q470E chipset and Desktop processors including Intel® 10<sup>th</sup> Gen Core™ i3/i5/i7/i9 SKU. It provides robust I/O features including USB 3.2 Gen2, dual Gigabit Ethernet, and triple independent display via HDMI, VGA, and DVI-D. Paired with PBPE-13A4 13-slot PICMG 1.3 backplane, the system supports scalable PCIe/PCI expansion for high-end industrial applications like Industrial automation, machine vision etc

## SPECIFICATIONS

Form Factor	19" 4U Rackmount Industrial PC with 14 slot backplane( PICMG 1.3 Platform )
Processor	Intel® 10 <sup>th</sup> Gen Core™ Processors CPU in LGA1200 package, up to 95W TDP
Chipset	Intel® Q470E
BIOS	AMI uEFI BIOS
Memory	Supports up to 128GB DDR4 2400/2666 Non-ECC on four Long-DIMM socket
Storage Devices	5x SATAIII ports (RAID 0/1/5/10 supported), 1x M.2 2280 Key M
Watchdog Timer	Programmable watchdog timer, time out period from 0.5 sec to 255 secs
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16
	- PCIe x16(2, x1 signal)
	- PCIe x4(5, x1 signal)
	- 4x PCI (Backplane supports PCIe Gen 3)
Super I/O	ITE IT5121E-I
Audio	On-board audio via Realtek ALC888S (7.1 channel support)
Ethernet	Intel® WGI219LM (1G) and Intel® WGI226LM (1G) Ethernet controller 2x RJ45 connectors on rear I/O
Serial Port	2x RS232, 2x RS232/422/485 selectable via Fintek F81216DG (LPC to COM)
USB Options	4x USB2.0 (via backplane), 4x USB3.2 Gen2 (on board), 2x USB 3.2 Gen2 (on bracket)
GPIO	8-bit programmable Digital I/O
Graphic Controller	Intel® UHD graphic supports DirectX 12, OpenGL 4.5
Display Interface options	1x DVI-D (via DVI-I port), resolution up to 1920x1200 @60Hz
	1x VGA (via DVI-I port), resolution up to 1920x1200 @60Hz
	1x HDMI connector on board, resolution up to 4096x2160 @ 30ghz
Power Supply	230V AC input (ATX Power supply) / Redundant PSU supported
Environment	- Operation Temperature: 0°C to 60°C
	- Storage Temperature: -20°C to 80°C
	- Relative Humidity: 5% to 95%, non-condensing
MTBF	Over 100,000 hours at 40°C
Mechanical Dimension (WxDxH)	427 mm x 450 mm x 177 mm
Material	Quality fine 1.2mm SGCC steel
Cooling Fan	1-12025mm fan on front
System Control	Power/ Reset/ KB-LK switch, Power / HDD/KB-LK LED
Colour	Black/Biege

## IMAGES



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