

FEATURES

PW-IPC-812-4U series is based on Intel® Q470E chip- set and Desktop processors including Intel® 10th Gen Core™ i3/i5/i7/i9 SKU. This board supports DDR4, PCIe 4.0, and SATAIII. Those features help you to build high performance and stable system. The PW-IPC-812-4U Industrial PC series offers great reliability, expandability and high-performance computing for an extensive range of industrial applications

SPECIFICATIONS

Form Factor	19" 4U Rackmount Industrial PC
Processor	Intel® 10 th Gen Core™ Processors CPU in LGA1200 package
Chipset	Intel® Q470E
BIOS	AMI uEFI BIOS
Memory	Supports up to 128GB DDR4 2400/2666/2933 Non-ECC on four Long-DIMM socket
Storage Devices	6x SATAIII ports (port1/port2 shared with M.2 Key M)
Watchdog Timer	Programmable watchdog timer, time out period from 1 sec to 255 secs
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	- 2x PCIe x16 (1x PCIe x8 signal)
	- 3x PCIe x4 slots , 2x PCI slots
	- 1x M.2 (Key M) for SSD, 1x M.2 (Key E) for Wireless
	- 1x M.2 (Key B) for 4G/5G module
Super I/O	NCT6116D
Audio	Audio Jack on rear I/O with Line-out / Mic-in with Realtek ALC897 Audio controller
Ethernet	Intel® I219LM (1G) and Intel® I225V (2.5G) Ethernet controller 2x RJ45 connectors on rear I/O
Serial Port	2x RS232/422/485 port one on Rear I/O, 1x on-board header, 4x RS232 port on pin header
USB Options	4x USB3.2 (Gen2) on rear I/O (3x Type A + 1x Type C), 2x USB3.2 (Gen1) on pin header 2x USB2.0 on pin header, 2x vertical connectors
GPIO	8-bit configurable controlled by embedded controller
Graphic Controller	Intel® graphic UHD 630 supports DirectX 12, OpenGL 4.5
Display Interface options	1x DP port on rear I/O, resolution up to 4096x2160
	1x VGA port on rear I/O resolution up to 1920x1200
	1x HDMI connector on rear I/O, resolution up to 4096x2160 @ 30ghz
Power Supply	230V AC input (ATX Power supply)
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	1-120mm fan on front and 2-80mm fans on rear panel
System Control	Power/ Reset/ KB-LK switch, Power / HDD/KB-LK LED
Colour	Black

IMAGES

