



# PW-IPC-8213-2U series

## 19" 2U Rackmount Industrial PC



### FEATURES

PW-IPC-8213-2U series is based on the Intel® Q670E chipset and 12th/13th Gen Intel® Core™ i9/i7/i5/i3 desktop processors. It supports multiple display outputs, options of legacy features for industrial applications, GPIO ports, dual LAN as well as rich expandability with PCIe Gen5, M.2 M and M.2 E keys. Featuring rich I/O capabilities and advanced connectivity on a smaller and thinner space-saving platform, the Portwell PW-IPC-8213-2U is ideal for a wide range of space saving and high processing applications

### IMAGES



### SPECIFICATIONS

Form Factor	19" 2U Rackmount Industrial PC
Processor	12th/13th/14th Gen Intel® Core™ Processors in LGA1700 package
Chipset	Intel® Q670E
BIOS	AMI uEFI BIOS
Memory	Support up to 64GB DDR5 4800 on two SO-DIMM socket
Storage Devices	4x SATAIII ports
Watchdog Timer	Programmable watchdog timer
Hardware Monitoring	System monitor (Voltage, Fan Speed and Temperature)
Expansion Interface	- 1x PCIe x16 Gen 5 - 1x M.2 Key E 2230 with PCIe x1 and CNVI for Wireless - 1x M.2 Key M 2242/2260/2280 with PCIe x4 and SATA3 for SSD
Super I/O	Nuvoton NCT6126D
Audio	Audio Jack on rear I/O with Line-out / Line-in with Realtek ALC897 audio controller
Ethernet	Intel® I210AT (1GbE) and Intel® I225LM (2.5GbE) Ethernet controller - 2x RJ45 connectors on rear I/O
Serial Port	- 2x RS232/422/485 ports (one port on rear I/O and one port on board header) - 3x RS232 port on pin header
USB Options	- 3x USB3.2 (Gen2) on rear I/O (2x Type A + 1x Type C) - 1x USB3.2 (Gen1) on rear I/O - 1x USB3.2 (Gen1) on board (Vertical Type-A) - 2x USB3.2 (Gen1) on pin header - 4x USB2.0 on rear I/O - 2x USB2.0 on pin header
GPIO	8-bit configurable controlled by embedded controller
Graphic Controller	Intel® UHD Graphics 770 supports DirectX 12, OpenGL 4.6
Display Interface options	- DP: 3 x DP ports on rear I/O, resolution up to 8K - HDMI: 1 x HDMI connector on rear I/O
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)	427mm x 483mm x 88mm, standard 19" rackmount chassis
Material	Quality fine 1.2mm SGCC steel
Cooling Fan	1-120mm fan on front and 2-80mm fans on rear panel
System Control	Power LED*1, HDD LED*1, Reset SW*1, Power SW*1
Colour	Black

### Contact :

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