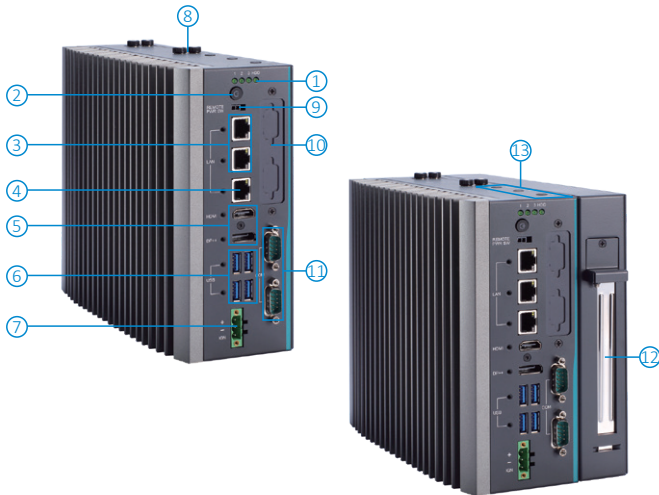


IPC920 NEW

Fanless Industrial System with LGA1700 Socket 13th/12th Gen Intel® Core™ i7/i5/i3 or Celeron® Processor, Intel® H610E/R680E, and Front-access I/O



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|--|----------------------------|
| 1. 1 x HDD/SSD access LED & 3 x user's LED | 8. 2 x HDD/SSD tray |
| 2. Switch for power on/off w/LED | 9. 1 x Remote power switch |
| 3. 2 x RJ-45 2.5GbE LAN (Intel® I226-V) | 10. Flexible I/O window |
| 4. 1 x RJ-45 1GbE LAN (Intel® I219-LM) | 11. 2 x RS-232/422/485 |
| 5. 1 x HDMI, 1 x DP++ | 12. 1 x PCIe x16 slot |
| 6. 4 x USB3.2 | 13. 3 x antenna opening |
| 7. 3-pin Terminal block for DC input | |

Features

- Fanless embedded system
- Optional 5G network (R680E)
- Intelligent power management Ignition, USB power on/off control
- EN 61000-6-2 certified
- Supports Intel® VMD (R680E)
- Optional DIN-rail, bookshelf and wall mount kits



Specifications

Standard Color	Silver & black	
Construction	Aluminum extrusion heavy-duty cold-rolled steel	
Processor	CPU Level	13th/12th gen Intel® Core™ processor, up to 65W*
System	Chipset	Intel® H610E/R680E
System Memory	2 x DDR5 4800/4000 ECC/non-ECC SO-DIMM, up to 64GB	
System I/O	Ethernet	2 x RJ-45 2.5GbE LAN (Intel® I226-V) 1 x RJ-45 1GbE LAN (Intel® I219-LM) with Intel® AMT (R680E)
	Serial	2 x RS-232 (4-wire)/422/485 (default RS-232), DB9 (By BIOS Selection)
	USB	Intel® H610E: 4 x USB 3.2 Gen1x1 (5G) Type A 1 x USB 2.0 180D type A (internal) Intel® R680E: 4 x USB 3.2 Gen2x1 (10G) Type A 1 x USB 2.0 (Q670E, internal, up to 30mm) 180D type A
	Display	1 x DisplayPort++ with 4096 x 2160 resolution supported 1 x HDMI with 4096 x 2160 resolution supported
Flexible I/O window (optional)	MIO108	1 x CANBUS mPCIe module (CAN2.0 A/B)
	AX92902	1 x 1 GbE LAN mPCIe module
	AX92904	32-bit programmable DIO mPCIe module
	AX92918	2 x 1 GbE LAN mPCIe module
	AX92917	1 x 1 GbE LAN M.2 Key E module
	AX92920	1 x 16-bit programmable DIO M.2 Key E module
		4 x USB 2.0 wire cable
		4 x USB 3.2 Gen 1 x 1 (5G) (R680E) wire cable
		2 x RS-232 (4-wire)/422/485 wire cable
		1 x 16-bit programmable DIO wire cable 1 x Mic-in & Line-out wire cable

Specifications

TPM	TPM 2.0
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB & PCIe interface) with SIM slot 1 x M.2 Key E 2230 socket or 1 x M.2 Key B 3052 socket w/ SIM slot (optional, by project request) 1 x PCIe x16 Gen3 slot
Storage	2 x 2.5" HDD/SSD with Intel® RST supported (7/9.5 mm height) 1 x M.2 Key M 2280 socket (PCIe x4 Gen4)
System Indicators	1 x HDD/SSD access LED 3 x User's LED
Power Input and Ignition Control	Input: 18VDC-36VDC 1 x 3-pin terminal block for DC input, ignition control, AT/ATX mode by BIOS setting 1 x Switch w/LED for power on/off control (default ATX) 1 x Remote power switch
Operating Temperature	-20°C to +70°C with 13th/12th gen Intel® Core™ processor and industrial wide temperature SSD, 0.7m/s air flow
Storage Temperature	-20°C to +80°C
Humidity	10% to 90%, non-condensing
Dimensions	IPC920: 83.5 mm (3.29") x 192 mm (7.56") x 230 mm (9.06") IPC920 w/ 1 x PCIe x16 slot: 118.5 mm (4.67") x 192 mm (7.56") x 230 mm (9.06")
Weight (net/gross)	TBD
Certifications	CE (EN 61000-6-4/EN 61000-6-2), FCC

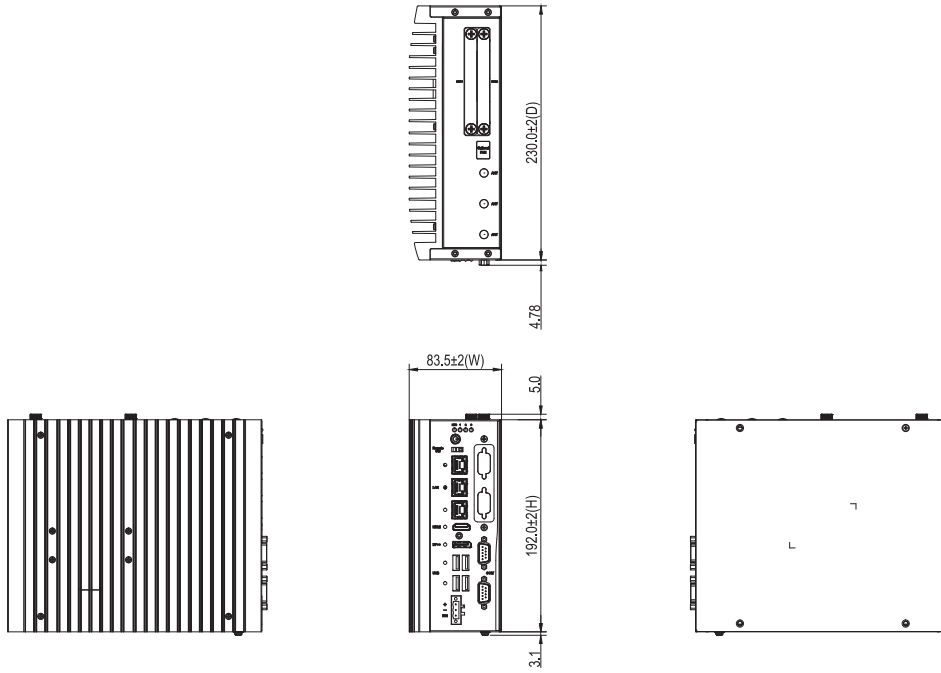
* Please refer to the user's manual for the system CPU support list and the system operating temperature list.

Ordering Information

System

IPC920-H	Industrial fanless system with Intel® H610E, w/o axiomtek logo
IPC920-H-E	Industrial fanless system with Intel® H610E and 1 PCIe x16 slot, w/o axiomtek logo
IPC920-R	Industrial fanless system with Intel® R680E, w/o axiomtek logo
IPC920-R-E	Industrial fanless system with Intel® R680E, and 1 PCIe x16 slot, w/o axiomtek logo

Dimensions



IPC920 with 1 PCIe x16 slot

