HIPER Global

COMPACT IPC

HIGH-PERFORMANCE 12TH GEN INTEL® CORE™ FANLESS EMBEDDED COMPUTER

PART NUMBER: IPC-HPC

- Intel® Core™ i5, i7, and i9 processor options
- 2 x 2.5GbE ports
- Multiple USB ports and serial ports
- Multiple internal expansion boards for flexible selection
- Various optional backplanes and chassis
- CE/FCC compliant

SPECIFICATION

Chassis	Dimensions (WxDxH) (mm)	230.6 x 256.04 x 76.2
	Chassis Construction	Extruded aluminium alloy
Motherboard	CPU	12th/13th Gen Intel® Core™ CPU 35/65W TDP
		Intel® Core™ i5-12500TE 1.9 GHz (up to 4.3 GHz, 6-core, 35W TDP)
		Intel® Core™ i7-12700TE 1.4 GHz (up to 4.6 GHz, 12-core, 35W TDP)
		Intel® Core™ i9-12900TE 1.1 GHz (up to 4.8 GHz, 16-core, 35W TDP)
	Chipset	R680E
	Memory	2 x SO-DIMM DDR4 3200 (8GB pre-installed) (up to 64GB)
Storage	HDD Bay	1 x 2.5" SATA 6Gb/s HDD/SSD bay
I/O Interfaces	Ethernet	2 x RJ-45, 1 x I225V & 1 x I225-LM 2.5GbE
	USB 3.2 Gen 2 (10Gb/s)	8
	COM	2 x RS-232/422/485, 4 x RS-232
	Digital I/O	12-bit (6-in/6-out) DB15
	Display Interface	1 x DP++, 1 x HDMI
Internal Expansions	M.2	1 x 2280 M-key (PCIe Gen4 x4), 1 x 2230 A-key (USB+PCIe Gen3 x1, supports vPRO)
Power	Power Input	12 ~ 28V DC
	Remote Power	1 x 2-pin
	Power Consumption	12V @ 8.8A (Intel® Core™ i9-12900TE with 16GB memory)
Reliability	Operating Temperature	-20°C ~ 60°C with air flow (CPU TDP35W &SSD), -20°C ~ 50°C with air flow (CPU TDP65W &SSD), 10% ~ 95% non-condensing
	Storage Temperature	-40°C ~ 85°C, 10% ~ 95%, non-condensing
	Operating Shock	Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD)
	Operating Vibration	MIL-STD-810G 514.6C-1 (with SSD)
	Weight (Net/Gross)	3.33/3.7 kg
	Safety/EMC	CE, FCC, UKCA
	Watchdog Timer	Programmable 1 ~ 255 sec/min
OS	Supported OS	Windows® 10/11 IoT Enterprise/ Linux

▍The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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