IPC-4U840-W580-6L

4U Rackmount Industrial Computer | Intel 10th/11th Gen i3/i5/i7/i9/G/W-1390P CPU

Product Features

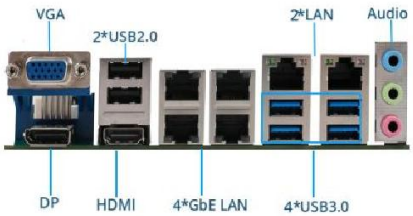


- •Compatible with ATX, Micro-ATX and Mini-ITX industrial motherboards.
- •Supports 2 × 3.5-inch HDD bays and 1 × 2.5-inch SSD bay.
- •Seven full-height PCI/PCIe expansion slots with retaining strips and brackets.
- •Equipped with six high-speed Ethernet ports for machine-vision applications.
- •Optional 300 W–1300 W ATX power supply.
- •Includes one 12025 fan and two 6025 fans for effective cooling, quiet operation and durability.
- •Industrial-grade design for harsh environments, including vibration, contamination, dust and extreme temperatures.

I/O Layout

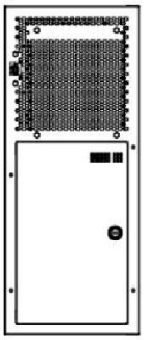


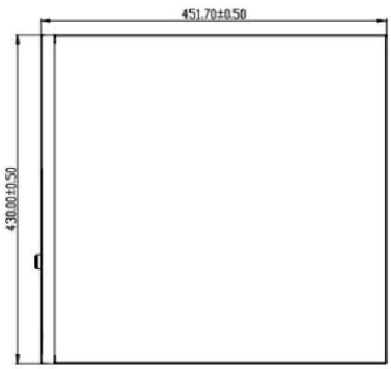


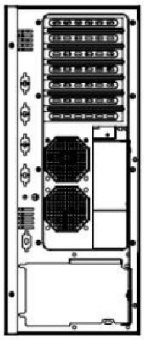


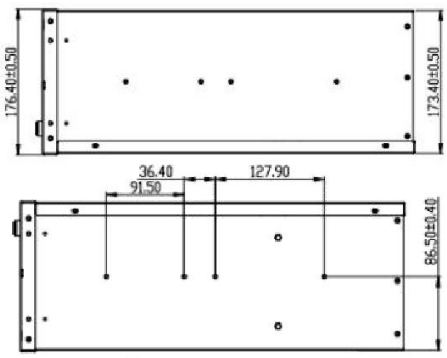
Rear I/O: VGA, DP, HDMI, LAN, USB and audio, as labeled in the source illustration.

Product Dimensions









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Specifications

IPC-4U840-W580-6L

System	Processor	Supports Intel LGA1200 10th/11th Gen i9/i7/i5/i3/G CPUs; vPro support with i5 or higher.
	Chipset	Intel® W580 chipset.
	BIOS	AMI UEFI BIOS.
	Graphics	Intel CPU integrated graphics controller (varies by installed CPU).
	Memory	4 × 288-pin DDR4 UDIMM slots; up to 32 GB per DIMM, 128 GB total. Supported speeds depend on CPU: DDR4-2133/2400/2666/2933/3200.
I/O Interface	USB	4 × USB 3.0; 4 × USB 2.0.
	COM	6 serial ports: COM1/2 support RS-232/485; COM3–6 support RS-232. One port requires PCIe breakout.
	LED	Power LED; HDD LED.
Expansion	PCIe / PCI	7 full-height slots: 5 PCIe and 2 PCI.
Display	Interface	VGA + DP + HDMI; supports independent triple-display mode.
Storage	Storage Device	4 × SATA 3.0 ports; supports RAID 0/1/5/10. 1 × M.2 Key-M 2280 supports NVMe x4 SSD; 1 × M.2 Key-M 2242/2280 supports SATA SSD.
	Drive Bay	2 × 3.5-inch HDDs and 1 × 2.5-inch SSD.
Audio	Audio Codec	Realtek ALC897.
	Audio Interface	MIC-In, Speaker-Out and Line-In; 3-jack audio.
Ethernet	LAN	6 Intel high-speed Ethernet ports: LAN1 i219LM; LAN2–LAN6 i210AT.
Power	Power Input / Mode	ATX power supply; supports ATX / AT power-on modes.
Other	OS Supports	Windows 10 x64 / Windows 11 x64 / Ubuntu 22.04 Linux.
	Watchdog Timer	255-level programmable timer in seconds/minutes; supports timeout interrupt or system reset.
	TPM	No onboard security chip.
	System Fan	1 × 12025 fan; 2 × 6025 fans.
Physical Parameters	Dimensions	430 × 178 × 450 mm (W × H × D).
	Weight	15 kg.
	Mounting	Desk / Rackmount.
Operating Environment	Operating Temp.	0° C to 45° C.
	Storage Temp.	–40° C to 55° C.
	Humidity	Operating: 20%–80% RH; non-operating: 20%–93% RH (at 40° C).
	Shock	Operating: 1 Grms @ 5–500 Hz; non-operating: 2 Grms @ 5–500 Hz.
	Vibration	3 axes; 10 G (11 ms half-sine wave); 3 times per axis.

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Ordering Information and Accessories

IPC-4U840-W580-6L

Ordering Information

Model	Processor	Power	Display	SATA	LAN	USB3	USB2	COM	PCIe / PCI
IPC-4U840	W580	300 W–1300 W	3	3	6	4	4	5	7

Packing List

Accessory No.	Description
400305989900	IPC-4U840 chassis
400305990000	IPC-4U840 packaging material, including power cord; China standard; 1.5 m; IEC C13 connector; black.

Optional Accessories

DDR4 8G	DDR4 8 GB, 3200 MHz, UDIMM	**SSD 1TB**	1 TB, 2.5-inch, SATA 6 Gb/s
DDR4 16G	DDR4 16 GB, 3200 MHz, UDIMM	**HDD 1TB**	1 TB, 64 MB, SATA 6 Gb/s, 3.5-inch, 5400 rpm
DDR4 32G	DDR4 32 GB, 3200 MHz, UDIMM	**HDD 2TB**	2 TB, 256 MB, SATA 6 Gb/s, 3.5-inch, 7200 rpm
SSD 256GB	256 GB, 2.5-inch, SATA 6 Gb/s	**HDD 4TB**	4 TB, 256 MB, SATA III, 3.5-inch, 7200 rpm
SSD 512GB	512 GB, 2.5-inch, SATA 6 Gb/s	**HDD 10TB**	10 TB, 256 MB, SATA 6 Gb/s, 3.5-inch, 7200 rpm

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