

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Professional

Quad DB9 Serial

SKU: IPC5-I7_12L-16-M512-12_7-M-11O-4S



Meet the machine that never breaks a sweat – or makes a sound.

****Built for the Factory Floor, Ready for the Edge:****

- Engineered to thrive in demanding industrial settings where ordinary computers fail, delivering relentless performance in extreme conditions.
- Operates in complete silence thanks to its fanless, passive cooling design, eliminating moving parts that can wear down or fail in dusty, vibrating environments.
- Handles your most complex automation tasks with confidence, ensuring smooth, uninterrupted production lines and zero costly downtime.
- Equipped with a formidable processor that provides the muscle for real-time data processing, machine vision analytics, and intensive edge computing workloads.
- Offers a wealth of connectivity options, including multiple serial ports and dual Gigabit LAN, making it effortless to link up with legacy machinery, sensors, and modern network infrastructure alike.

- Features robust dual-band WiFi, giving you the flexibility to deploy it anywhere without the hassle of wiring, while keeping data flowing swiftly.
- Constructed with a rugged, anodised aluminium housing that is as tough as it is sleek, designed to dissipate heat efficiently and shrug off the rigours of a 24/7 operational environment.
- Comes ready for action with Windows 11 Professional and fast solid-state storage, ensuring rapid boot times and responsive performance for your critical applications.
- Proudly 100% designed in India, this is a testament to precision engineering and a dependable backbone for your smart factory initiatives.

Choose the IPC5 for a future-proof, reliable partnership that powers your operation forward. It is not just a computer; it is the quiet workhorse your business can depend on.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
Front USB 2.0	3
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum
Cable Length	2 Metre

ENVIRONMENTAL

Operating Temperature	0°C ~ 50°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	RoHS, ISO

PHYSICAL

Form Factor	Industrial PC
Thermal Design	Fanless Passive Cooling
Dimensions	197mm × 210mm × 65mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.92kg, 3.34kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Professional
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Ordering Information

PRODUCT CODE			
IPC5-i7_121-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]			
RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)
	32 = 32GB DDR4		
SSD	m128 = 128GB m512 = 512GB m2048 = 2TB	m256 = 256GB m1024 = 1TB	
Wireless	m = Dual Band WiFi	X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value 110 = Windows 11 Professional U = Ubuntu Linux	W_OS = Without OS 11P = Windows 11 Pro Thinux = Thinux™ Embedded Linux	
Accessories	0 = None	4S = Quad DB9 Serial	

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