



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

32GB SSD

No WiFi

Windows 11 Pro

SKU: IPC5-I7_12L-8-M32-12_7-X-11P-0



Unleash relentless computing power in the harshest industrial environments.

Engineered for Demanding Applications

This high-performance, rugged IPC is built to drive the most advanced industrial automation, precision machine vision, and intelligent edge computing tasks. Its robust, fanless design ensures silent, maintenance-free operation where dust, vibration, and extreme temperatures would halt ordinary computers.

Built Rugged, Designed Smart

Encased in a sleek, anodised dark grey aluminium chassis, this PC is as tough as it looks. The completely silent passive cooling system eliminates moving parts, providing ultimate reliability for continuous, 24/7 operation. With dual Ethernet and legacy serial ports, it seamlessly integrates into both modern and existing industrial networks, offering unparalleled connectivity.

Why Choose the IPC5

- Experience robust, fault-tolerant performance for critical control and data processing.
- Deploy confidently in demanding settings from factory floors to outdoor enclosures.
- Leverage a future-proof platform designed and built for the complexities of Industry 4.0.
- Support innovation with a 100% India-designed industrial computing solution.

Forget compromise. Choose a powerhouse engineered for endurance.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	32 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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 Pro
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Ordering Information

PRODUCT CODE	
IPC5-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB m512 = 512GB m1024 = 1TB
Wireless	m = Dual Band WiFi X = No WiFi
OS	DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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