



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-I5_12L-32-M512-12_5-X-11P-4S



Engineer the Edge: Uncompromising Power Meets Industrial Resilience.

Your Demanding Environment, Our Rugged Solution

In the heart of the factory floor, where dust, vibration, and extreme temperatures are the norm, ordinary PCs fail. The Thinvent IPC5 is built differently. Its fanless, solid-state design and robust aluminium housing ensure flawless 24/7 operation where it matters most. This is industrial computing, redefined for reliability.

Built for Advanced Automation and Beyond

This is the intelligent core for your most critical operations. Leverage its substantial processing power to drive complex tasks without hesitation.

- Seamlessly manage advanced machine vision systems for precision quality control.
- Act as a powerful edge computing node, processing data locally for faster, smarter decisions.

- Control multi-axis machinery and legacy equipment with abundant serial connectivity.

Connect, Control, Conquer

Designed for seamless integration into any industrial ecosystem, the IPC5 provides the essential links. Its dual Gigabit LAN ports ensure robust network communication, while multiple serial ports offer direct command over a wide range of machinery and instruments. It's the central nervous system for a smarter, more connected production line.

Proudly Engineered in India

Every component of the IPC5 is thoughtfully designed and specified for the unique challenges of industrial applications, reflecting a commitment to quality and innovation. Its sleek, anodised grey finish embodies the durable sophistication within. Choose the robust, high-performance computing partner engineered to thrive under pressure. Choose Thinvent.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 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	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 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	2.83kg, 3.25kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE	
IPC5-i5_121-[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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