



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 Pro

SKU: IPC5-I5\_12-16-M512-12\_5-X-11P-0



Thinvent® Industrial PC IPC5: The Unyielding Edge of Industrial Automation.

Unleash unparalleled processing power with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution meticulously designed and engineered in India. Built for the most demanding environments, this robust IPC drives advanced industrial automation, machine vision, and edge computing with unflinching reliability.

### Power at Your Core

Experience blazing-fast performance driven by the Intel® Core™ i5-1250P processor, boasting 12 cores and turbo frequencies up to 4.4 GHz with a 12 MB cache. This powerful engine ensures seamless multitasking and real-time data processing for critical applications. Equipped with 4GB DDR4 RAM and a rapid 512GB SSD, the IPC5 delivers swift responsiveness and ample storage, all running on the modern and secure Microsoft Windows 11 Pro operating system.

### Engineered for Extremes

The fanless design ensures silent operation and maximum resilience against dust and debris, making it ideal for harsh industrial settings. Encased in a durable, dark grey anodised aluminium housing, the IPC5 is built to last. It operates flawlessly across a wide temperature range of 0°C to 50°C and humidity from 20% to 80% RH (non-condensing), backed by RoHS and ISO certifications for guaranteed quality and environmental compliance.

### Comprehensive Connectivity

Seamlessly integrate into your industrial ecosystem with a rich array of connectivity options.

#### Key Connectivity

- 1 HDMI port
- 1 VGA port
- 2 USB 3.2 ports
- 2 USB 2.0 ports
- 1 Gigabit (1000 Mbps) Ethernet port
- 1 Speaker Out port
- 1 Mic In port

### Robust Power and Compact Design

Power your operations confidently with a reliable 12V 7A adapter, supporting a wide AC input range of 100~275 Volts, 50~60 Hz, and a 1.5 Amps maximum, delivered via a 2-metre cable. Its compact dimensions of 197mm × 210mm × 65mm allow for easy deployment in space-constrained environments, while the smooth anodised finish in dark grey adds a professional aesthetic. The Thinvent® IPC5 stands ready to transform your industrial capabilities.



## Specifications

### PROCESSING

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Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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

### CONNECTIVITY

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USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
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### POWER

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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

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

### PHYSICAL

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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

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Operating System	Microsoft Windows 11 Pro
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## Ordering Information

PRODUCT CODE	
<b>IPC5-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
RAM	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
SSD	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB
Wireless	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
OS	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux
Accessories	<b>0</b> = None <b>4S</b> = Quad DB9 Serial

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