



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 64GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: IPC5-I5\_12-64-M1024-12\_5-M-U-0



### Unrivalled Power, Unyielding Reliability: The Future of Industrial Computing.

Unleash the full potential of your operations with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering durability, this high-performance, fanless powerhouse is your ultimate solution for advanced industrial automation, high-speed machine vision, and demanding edge computing tasks. 100% designed in India, the IPC5 combines cutting-edge technology with robust construction, featuring a smooth anodised dark grey aluminium finish.

#### Performance at its Core

- Experience lightning-fast processing with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz, backed by a generous 12 MB cache.
- Tackle complex applications effortlessly with a massive 64GB DDR4 RAM.
- Enjoy rapid boot times and ample storage with the 512GB SSD.
- Rely on the stable and secure Ubuntu Linux 24.04 LTS for mission-critical operations.

- Operate silently and dependably in challenging conditions thanks to its fanless design.
- The rugged anodised dark grey aluminium housing ensures resilience against dust and vibrations, maintaining performance across a wide operating temperature range of 0°C to 50°C and 20% to 80% non-condensing humidity.
- Compact dimensions (197mm × 210mm × 65mm) allow for seamless integration into confined spaces.

#### Connect Without Limits

- Benefit from extensive connectivity including HDMI and VGA for versatile display setups, two USB 3.2 and two USB 2.0 ports for modern peripherals, and two legacy DB9 RS232 serial ports for industrial equipment.
- Stay connected with reliable 1000 Mbps Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

The Thinvent® IPC5 is more than just a PC; it's a testament to superior engineering, ready to elevate your industrial capabilities.

#### Built for the Toughest Environments



## 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	64 GB
SSD Storage	1024 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	Ubuntu Linux 24.04 LTS
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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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