



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 16GB DDR4 RAM

## 256GB SSD

## No WiFi

## Ubuntu Linux

SKU: IPC5-I5\_12-16-M256-12\_5-X-U-0



Unleash industrial power, built for the future.

The Thinvent® Industrial PC IPC5 is your robust, fanless powerhouse, engineered for the most demanding environments. This 100% designed in India solution delivers unparalleled performance and reliability, making it ideal for advanced industrial automation, machine vision, and edge computing.

### Exceptional Performance

- Driven by an Intel® Core™ i5-1250P processor with 12 cores, clocking up to 4.4 GHz and featuring a 12 MB cache, the IPC5 effortlessly handles complex workloads.
- Equipped with 4GB DDR4 RAM and a rapid 128GB SSD, ensuring swift data processing and application responsiveness.

### Built for Harsh Environments

- Its rugged, fanless design guarantees silent, maintenance-free operation, reliably performing in temperatures from 0°C to 50°C and 20%-80% non-condensing humidity.

- Housed in a durable, dark grey anodised aluminium casing (197mm × 210mm × 65mm), it offers superior protection and a smooth, professional finish.

### Extensive Connectivity

- Seamlessly integrate with your systems using 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet for high-speed networking, HDMI, VGA, and dedicated speaker out and mic in ports.

### Ready for Deployment

- Pre-installed with Ubuntu Linux 24.04 LTS, providing a secure and flexible open-source platform.
- Powered efficiently via a 12V 7A adapter, compatible with 100~275V AC input (2-meter cable included) for robust power delivery.
- RoHS and ISO certified for peace of mind.



## 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	256 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	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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