



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 1TB SSD

## No WiFi

## Windows 11 IoT Value

## Quad DB9 Serial

SKU: IPC5-I5\_12L-16-M1024-12\_5-X-11V-4S



Unleash industrial intelligence without a whisper.

### Where raw processing power meets relentless reliability

Step beyond the limitations of standard office PCs. The Thinvent IPC5 is engineered for the demanding heartbeat of industry. Its potent 12th Gen Intel Core performance and innovative fanless design deliver serious computational muscle in complete silence, eliminating dust intrusion and mechanical failure points for ultimate dependability.

### Built for the real world of industry

This isn't just a computer; it's a hardened partner for your most critical operations. Its robust, all-aluminium chassis with a smooth anodised finish dissipates heat efficiently and stands firm against vibration, shock, and harsh environmental conditions, from factory floors to outdoor enclosures.

### Connect, control, and compute at the edge

Designed with advanced connectivity at its core, the IPC5 is your gateway to seamless integration. With dual Gigabit LAN and four dedicated serial ports, it effortlessly bridges legacy machinery and modern network systems, making it the perfect central brain for sophisticated automation, precise machine vision applications, and powerful on-site edge computing.

A powerhouse, proudly conceived and 100% designed in India to master the complexities of modern industry.



## 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	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
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
Ethernet Ports	2

### 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 IoT Enterprise LTSC 2024 Value
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## Ordering Information

PRODUCT CODE	
<b>IPC5-i5_121-[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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