



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 8GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: IPC5-I5\_12-8-M512-12\_5-M-11V-0



Robust Performance. Relentless Reliability. Designed for the Future.

Unleash unparalleled power in the most demanding industrial environments with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and high-performance, this rugged, fanless IPC is your ultimate solution for advanced industrial automation, machine vision, and cutting-edge edge computing applications. 100% designed in India, the IPC5 combines superior performance with robust build quality.

### Exceptional Processing Power

- Experience lightning-fast processing with the Intel® Core™ i5-1250P processor. Its 12 cores and up to 4.4 GHz turbo frequency, backed by a 12 MB cache, deliver the raw power needed for complex computations and real-time data analysis.
- Paired with 4GB DDR4 RAM and a swift 128GB SSD, the pre-installed Windows 11 IoT Enterprise LTSC 2024 Value ensures a responsive, secure, and long-term supported operating experience.

- The IPC5 boasts a durable, fanless design, crafted from smooth anodised dark grey aluminium for silent operation and maximum resilience against dust and contaminants.
- Operates reliably from 0°C to 50°C and 20% to 80% non-condensing humidity, ensuring continuous performance where other PCs fail.
- Its compact dimensions (197mm × 210mm × 65mm) and RoHS, ISO certifications make it ideal for space-constrained, compliant installations.

### Seamless Connectivity

- Stay connected with an extensive array of ports including 2x USB 3.2, 2x USB 2.0, HDMI, VGA, Speaker Out, Mic In, and gigabit Ethernet.
- Dual-band Wi-Fi 5 (802.11ac) ensures versatile wireless networking capabilities for any industrial setup.

The Thinvent® IPC5: Power, precision, and endurance, all in one compact, Indian-engineered package.

### Built for the Toughest Conditions



## 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     | 8 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                     |
| 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

## 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<br><b>64</b> = 64GB DDR4   |
| SSD  | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><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<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><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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