



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 64GB DDR4 RAM

## 512GB SSD

## No WiFi

## Ubuntu Linux

SKU: IPC5-I5\_12-64-M512-12\_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     | 64 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 |
|----------|-----------|

### 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 |
|------------------|------------------------|

## 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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