



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5\_12-16\_16-M256-12\_7-X-11V-0



Unyielding Power, Unrivalled Precision: The IPC5 Redefines Industrial Computing.

### Introduction

Engineered for the harshest environments, the Thinvent® Industrial PC IPC5 delivers uncompromising performance in a rugged, fanless design. 100% designed in India, this powerhouse drives advanced industrial automation, machine vision, and edge computing.

### Core Performance

At its heart is the Intel® Core™ i5-1250P processor, boasting 12 cores and a blistering 4.4 GHz max frequency, backed by a 12 MB cache for exceptional processing power. With 4GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 ensures rapid data processing and seamless operation. It runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a secure, stable, and long-lifecycle platform for critical industrial tasks.

### Rugged Design & Reliability

Experience unwavering reliability with its robust, fanless aluminium housing, featuring a sleek, dark grey anodised finish. This design ensures silent operation and eliminates dust ingress, making it ideal for challenging temperatures from 0°C to 50°C and humidity up to 80% RH. RoHS and ISO certifications affirm its quality and environmental compliance.

### Extensive Connectivity

The IPC5 offers versatile connectivity to seamlessly integrate into your industrial ecosystem.

- Dual display support via 1x HDMI and 1x VGA
- Ample USB connectivity with 2x USB 3.2 and 2x USB 2.0
- High-speed networking with 1000 Mbps Ethernet
- Audio flexibility with Speaker Out and Mic In

Its compact 197x210x65mm dimensions and versatile 100~275V AC power input (with 2-metre cable) simplify deployment in diverse settings.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 256 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|                   |   |
|-------------------|---|
| Speaker Out       | 1 |
| Mic In            | 1 |
| Front Speaker Out | 1 |
| Front Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.2           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 4                |
| Front Serial Port | 2 DB9 male RS232 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 Amps                                       |
| Power Input  | 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum |
| Cable Length | 2 Metre                                      |

### ENVIRONMENTAL

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 50°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | RoHS, ISO                    |

### PHYSICAL

|                      |                         |
|----------------------|-------------------------|
| 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 | 2.92kg, 3.34kg          |

### OPERATING SYSTEM

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT<br>Enterprise LTSC 2024 Value |
|------------------|--------------------------------------------------------|

## Ordering Information

### PRODUCT CODE

**IPC5-i5\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                            |                                            |                                         |                       |
|-------------|--------------------------------------------|--------------------------------------------|-----------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                        | <b>8</b> = 8GB DDR4                        | <b>16</b> = 16GB DDR4                   | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB<br>DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB<br>DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4<br>RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                        |                                            | <b>m256</b> = 256GB                     |                       |
|             | <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>Thinix</b> = Thinix™ Embedded Linux     |                                            | <b>U</b> = Ubuntu Linux                 |                       |
| Accessories | <b>0</b> = None                            |                                            | <b>4S</b> = Quad DB9 Serial             |                       |

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