



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 4GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Without OS

SKU: IPC5-I5\_12-4-M2048-12\_7-M-W\_OS-0



## Power the Future of Industry: Uncompromising Performance, Unmatched Reliability

Unleash the ultimate in industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this rugged, fanless powerhouse is engineered for demanding environments, offering unparalleled performance for advanced industrial automation, machine vision, and edge computing.

### Performance at its Core

- Driven by an Intel® Core™ i5-1250P processor featuring 12 cores and a blistering 4.4 GHz max frequency, the IPC5 delivers exceptional processing power.
- With 12 MB cache, 4GB DDR4 RAM, and a lightning-fast 1TB SSD, it handles complex tasks and massive data with ease, ensuring smooth operations even under heavy workloads.

### Built for the Toughest Conditions

- Housed in a durable, dark grey anodised aluminium chassis, the IPC5 is not just robust but also aesthetically refined.

- Its fanless design ensures silent operation and superior reliability, making it perfect for dust-prone areas.
- Certified RoHS and ISO, it operates flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity.

### Seamless Connectivity & Flexibility

- Experience extensive connectivity with 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet, HDMI, VGA, Speaker Out, and Mic In.
- Dual-band Wi-Fi 5 (802.11ac) ensures high-speed wireless networking.
- Without a pre-installed OS, you have the freedom to deploy your preferred industrial operating system.
- Powered by a versatile 12V 7A adapter with a 2-metre cable, accepting 100~275V AC input.

The Thinvent® IPC5: Your robust, high-performance solution for the industrial frontier.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 4 GB    |
| SSD Storage     | 2048 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                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 | Without OS |
|------------------|------------|

## 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                      |                       |
|             | <b>m2048</b> = 2TB                         |                                            |                                         |                       |
| 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>110</b> = Windows 11 Professional       |                                            | <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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