



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

DOS

SKU: IPC5-I5\_12-8-M512-12\_5-X-DOS-0



Thinvent® IPC5: Unyielding Power, Engineered for Industry's Edge.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this robust, fanless powerhouse delivers unparalleled performance for the most demanding applications, from advanced industrial automation to high-fidelity machine vision and critical edge computing.

### Performance at its Core

- Driven by an Intel® Core™ i5-1250P processor featuring 12 cores and speeds up to 4.4 GHz with 12 MB cache, the IPC5 effortlessly handles complex tasks.
- Paired with a massive 32GB DDR4 RAM and a rapid 256GB SSD, it ensures swift data processing and responsive operation, minimizing downtime and maximizing productivity.

### Built for Battle

- Encased in a sleek, dark grey anodised aluminium housing (197mm × 210mm × 65mm), the fanless design ensures silent operation and exceptional reliability in dust-prone environments.

- Operating flawlessly from 0°C to 50°C with 20% to 80% non-condensing humidity, this IPC is engineered to thrive in harsh industrial settings, meeting RoHS and ISO certifications.

### Seamless Connectivity

- Extensive I/O options include 1x HDMI, 1x VGA, 2x USB 3.2, 2x USB 2.0, Speaker Out, Mic In, and a dedicated 1000 Mbps Ethernet port for secure, high-speed networking.
- Powered by a stable 12V DC input at 7A, with a wide AC input range (100~275V, 50~60 Hz), ensuring consistent power delivery for critical operations.

Pre-loaded with FreeDOS, the IPC5 offers a flexible platform ready for your tailored operating system. Choose Thinvent® IPC5 for a powerful, rugged, and reliable solution, proudly Made in India.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| 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

|      |   |
|------|---|
| 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   | 5 Amps                                       |
| Power Input  | 100~240 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 | 2.83kg, 3.25kg          |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

## PRODUCT CODE

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

|             |                                 |              |                      |                |
|-------------|---------------------------------|--------------|----------------------|----------------|
| RAM         | 4 = 4GB DDR4                    | 8 = 8GB DDR4 | 16 = 16GB DDR4       | 32 = 32GB DDR4 |
|             | 64 = 64GB DDR4                  |              |                      |                |
| SSD         | m128 = 128GB                    |              | m256 = 256GB         |                |
|             | m32 = 32GB                      |              | m512 = 512GB         |                |
|             | m1024 = 1TB                     |              |                      |                |
| Wireless    | m = Dual Band WiFi              |              | X = No WiFi          |                |
| OS          | DOS = DOS                       |              | W_OS = Without OS    |                |
|             | 11V = Windows 11 IoT Value      |              | 11P = Windows 11 Pro |                |
|             | Thinux = Thinux™ Embedded Linux |              | U = Ubuntu Linux     |                |
| Accessories | 0 = None                        |              | 4S = Quad DB9 Serial |                |

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