



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## No WiFi

## DOS

SKU: IPC5-I5\_12-8-M1024-12\_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 x 210mm x 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

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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     | 1024 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 | FreeDOS |
|------------------|---------|

## 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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