



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5\_13-16\_16-M128-12\_5-X-11V-0



Thinvent IPC5: Engineered for Extreme Performance, Built for Industrial Demands.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is 100% designed in India, offering unparalleled reliability and processing capability for the most demanding environments.

### Unmatched Performance

- Driven by an Intel® Core™ i5-1335U processor, featuring 10 cores and turbo speeds up to 4.6 GHz with a 12 MB cache, the IPC5 effortlessly handles complex computations.
- Equipped with a massive 64GB DDR4 RAM and a blazing-fast 1TB SSD, it ensures rapid data processing and storage, making it perfect for advanced industrial automation, machine vision, and critical edge computing applications.
- Operating on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it delivers a secure, stable, and feature-rich platform optimized for industrial operations.

### Industrial-Grade Durability

- Designed for continuous operation, its fanless architecture eliminates moving parts, ensuring silent performance and superior reliability in dusty or harsh conditions with an operating temperature range of 0°C to 50°C.

- The robust aluminium housing, finished with a smooth, dark grey anodised coating, provides exceptional protection and a premium aesthetic, meeting RoHS and ISO certifications for quality and environmental standards.

### Seamless Connectivity

- Facilitate versatile setups with dual display support via HDMI and VGA ports.
- Extensive peripheral options include 2x USB 3.2 and 2x USB 2.0 ports.
- A dedicated 1000 Mbps Ethernet port guarantees high-speed, stable network communication for critical data exchange.
- Audio input (Mic In) and output (Speaker Out) expand its functional versatility.

### Compact Power Delivery

- Its compact dimensions of 197mm × 210mm × 65mm allow for easy integration into existing industrial setups.
- Power is supplied by a reliable 12V 7A adapter with a broad 100~275V AC input range, ensuring stable operation.

The Thinvent IPC5 is your definitive solution for robust, intelligent industrial operations.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1335U   |
| Cores           | 10      |
| Max Frequency   | 4.6 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 128 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 | 2.72kg, 3.14kg          |

### OPERATING SYSTEM

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

## Ordering Information

### PRODUCT CODE

**IPC5-i5\_13-[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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