



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

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



### Unleash Uncompromising Industrial Power: The Thinvent® IPC5.

Elevate your industrial automation, machine vision, and edge computing capabilities with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering reliability, this fanless powerhouse is 100% designed in India, boasting a robust aluminium housing with a sophisticated dark grey anodised finish. Experience seamless multitasking and lightning-fast processing thanks to the Intel® Core™ i5-1335U processor, featuring 10 cores and a max frequency of 4.6 GHz. Coupled with 16GB of DDR4 RAM and a rapid 256GB SSD, the IPC5 handles demanding workloads with ease.

#### Key Performance Highlights

- Processor: Intel® Core™ i5-1335U (10 Cores, up to 4.6 GHz, 12 MB Cache)
- Memory: 16 GB DDR4 RAM
- Storage: 256 GB SSD

#### Connectivity and Versatility

Navigate the complexities of modern industrial environments with an extensive array of ports. From dual HDMI and VGA outputs for multi-display setups to a wealth of USB 3.2 and USB 2.0 ports, the IPC5 offers unparalleled connectivity. The inclusion of two RS232 serial ports ensures seamless integration with legacy and specialized equipment. Stay connected with high-speed Dual Band WiFi (802.11ac).

#### Robust Design and Operation

Built to thrive in challenging conditions, the IPC5 operates reliably in temperatures from 0°C to 50°C. Its compact yet durable aluminium construction (197mm x 210mm x 65mm) is designed for longevity. Powering your operations is a 12V 7A adapter, with a versatile AC input range of 100~275 Volts.

#### Intuitive and Secure Operating System

Comes pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a stable and secure platform for your critical applications.

#### Certifications and Specifications

- Certifications: RoHS, ISO
- Housing: Aluminium, Anodised, Dark Grey
- Power: 12V 7A Adapter, 100~275V AC Input
- Ports: HDMI (1), VGA (1), Speaker Out (1), Mic In (1), USB 3.2 (2), USB 2.0 (2), RS232 (2)
- Networking: 1000 Mbps Ethernet, Wi-Fi 5 (802.11ac) Dual Band
- Operating Environment: 0°C ~ 50°C, 20% ~ 80% RH Non-condensing

The Thinvent® IPC5: Where ruggedness meets intelligence.





## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1335U   |
| Cores           | 10      |
| Max Frequency   | 4.6 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 128 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                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 | 2.72kg, 3.14kg          |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE   |  |
|--|--|
| <b>IPC5-i5_13-[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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