



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 32GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: IPC5-I5\_13-32-M2048-12\_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 × 210mm × 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.





# Thinvent Industrial PC IPC5



## 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     | 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   | 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

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

4S = Quad DB9 Serial

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