



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 4GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Ubuntu Linux

## Quad DB9 Serial

SKU: IPC5-I5\_13-4-M1024-12\_5-M-U-4S



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

Experience unparalleled performance and rugged reliability with the Thinvent® IPC5 Industrial PC, engineered for the most demanding industrial applications. Designed and manufactured in India, this fanless powerhouse is built to withstand harsh environments while delivering exceptional processing capabilities.

#### Key Performance Highlights

- Processor: Intel® Core™ i5-1335U (10 core, up to 4.6 GHz, 12 MB cache) for blazing-fast computation.
- Memory: 4GB DDR4 RAM for smooth multitasking.
- Storage: 128GB SSD for rapid data access and boot times.

#### Connectivity for Every Need

- Video Output: HDMI and VGA for versatile display options.
- Audio: Dedicated Speaker Out and Mic In.
- USB: 2 x USB 3.2 and 2 x USB 2.0 ports.
- Serial Ports: 6 DB9 male RS232 ports for extensive device integration.

- Network: 1000 Mbps Ethernet and Dual Band Wi-Fi 5 (802.11ac) for reliable connectivity.

#### Built for the Toughest Environments

- Rugged Design: Aluminium housing with a sophisticated dark grey anodised finish ensures durability.
- Wide Operating Temperature: 0°C to 50°C.
- Humidity Tolerance: 20% to 80% RH (non-condensing).

Seamlessly integrated with Ubuntu Linux 24.04 LTS, the Thinvent® IPC5 is your ideal solution for advanced industrial automation, machine vision, and edge computing. Power your innovation with this robust and feature-rich industrial PC.

#### Specifications

- Power Adapter: 12V 7A, 100~275 Volts AC input.
- Dimensions: 197mm x 210mm x 65mm.
- Certifications: RoHS, ISO.



## 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     | 4 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 |
| Rear Serial Port  | 4 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## 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  |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

