



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5\_13-32\_32-M512-12\_5-M-U-0



Thinvent® Industrial PC IPC5: Unyielding Power for the Demanding Edge.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse engineered for the most challenging environments. Proudly 100% designed in India, its sleek, dark grey anodised aluminium housing offers exceptional durability and a professional finish.

### Unrivalled Performance

- At its core, the Intel® Core™ i5-1335U processor delivers immense processing power with 10 cores reaching up to 4.6 GHz and a 12 MB cache, perfectly suited for advanced industrial automation, machine vision, and critical edge computing tasks.
- Multitask seamlessly with 16GB DDR4 RAM, ensuring rapid data processing.
- Boot instantly and access data at lightning speed with the 128GB SSD.
- Powered by Ubuntu Linux 24.04 LTS, offering a stable, secure, and open-source platform.

### Built for the Toughest Conditions

- The fanless design eliminates moving parts, ensuring silent operation, preventing dust ingress, and extending lifespan in harsh industrial settings.
- Robust aluminium housing provides superior protection.
- Operates reliably from 0°C to 50°C with 20% to 80% non-condensing humidity.
- RoHS and ISO certified for global quality standards.

### Extensive Connectivity

- Connect to diverse peripherals and networks with 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet (1000 Mbps), and dual-band Wi-Fi 5 (802.11ac).
- Versatile display options include HDMI and VGA, plus dedicated speaker out and mic in.
- Powered by a robust 12V 7A adapter with a 2-meter cable and wide 100~275V AC input range.

Compact yet powerful at 197mm × 210mm × 65mm, the IPC5 integrates effortlessly into any setup, delivering consistent, high-speed performance where it matters most.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1335U   |
| Cores           | 10      |
| Max Frequency   | 4.6 GHz |
| Cache           | 12 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 512 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## 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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