



# 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)

1TB SSD

No WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I5\_13-32\_32-M1024-12\_5-X-U-4S



Unleash Unrivalled Performance and Connectivity in Any Industrial Environment.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and peak performance, this fanless, rugged powerhouse is 100% designed in India to excel in the most demanding industrial automation, machine vision, and edge computing applications.

### Core Performance

- At its heart lies the formidable Intel® Core™ i5-1335U processor, featuring 10 cores and turbo speeds up to 4.6 GHz with a 12 MB cache, delivering exceptional processing power.
- Supported by 8GB DDR4 RAM and a rapid 128GB SSD, ensuring lightning-fast operation and responsive data handling.
- Pre-installed with Ubuntu Linux 24.04 LTS, providing a stable, secure, and open-source platform for your critical operations.

### Extensive Connectivity

- Boasting six DB9 male RS232 serial ports, the IPC5 offers unparalleled connectivity for legacy and modern industrial peripherals.
- Four USB ports (2x USB 3.2, 2x USB 2.0) for versatile device integration.

- Dual display outputs with HDMI and VGA, plus dedicated Speaker Out and Mic In ports.
- A robust 1000 Mbps Ethernet port ensures high-speed network communication.

### Built for Extremes

- Its fanless design eliminates moving parts, enhancing durability and reducing maintenance in dusty or harsh conditions.
- Constructed with a dark grey, smooth anodised aluminium housing (197mm x 210mm x 65mm), providing superior heat dissipation and a sleek finish.
- Operates flawlessly across a wide temperature range of 0°C to 50°C and 20% to 80% RH (non-condensing) humidity.
- Certified with RoHS and ISO standards, guaranteeing quality and environmental compliance.

### Flexible Power

- Comes with a 12V 7A DC adapter, capable of handling broad AC input from 100V to 275V.

Empower your operations with the IPC5: a compact, powerful, and ultra-reliable industrial computing solution, ready to drive innovation at the edge.



## 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     | 1024 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 |
| Rear Serial Port  | 4 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 | 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 DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 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>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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