



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 64GB DDR4 RAM

## 1TB SSD

## No WiFi

## Thinix Embedded Linux

SKU: IPC5-I5\_13-64-M1024-12\_5-X-THINUX-0



Unleash Unrivaled Performance at the Industrial Edge: The IPC5.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and high-performance, this fanless powerhouse is purpose-built to drive advanced industrial automation, machine vision, and sophisticated edge computing applications. 100% designed in India, the IPC5 combines cutting-edge technology with robust, rugged design.

### Unmatched Performance for Demanding Workloads

At its core, the IPC5 features an Intel® Core™ i5-1335U processor, boasting 10 cores and turbo speeds up to 4.6 GHz with 12 MB cache. Coupled with a massive 64GB DDR4 RAM and ultra-fast 512GB SSD, it delivers exceptional processing power and data handling capabilities essential for real-time operations and complex analytics.

### Built for the Toughest Environments

The fanless design ensures silent operation and unparalleled reliability by eliminating dust ingress and moving parts, making it ideal for harsh industrial settings. Encased in a durable, dark grey anodised aluminium housing with a smooth finish, the IPC5 can withstand operating temperatures from 0°C to 50°C and non-condensing humidity from 20% to 80%. Certified with RoHS and ISO, its rugged construction guarantees longevity and consistent performance.

### Extensive Connectivity and Seamless Integration

The IPC5 offers a comprehensive array of connectivity options for diverse industrial setups.

- Video: 1 HDMI, 1 VGA
- Audio: 1 Speaker Out, 1 Mic In
- USB: 2 USB 3.2, 2 USB 2.0
- Network: 1 Gigabit Ethernet for reliable wired data transfer
- Power: Wide input range (100~275V AC adapter, 12V 7A DC) with a 2-metre cable.

### Thinvent® Thinix™ Embedded Linux: Empowering Your Operations

Pre-installed with Thinvent® Thinix™ Embedded Linux, the IPC5 provides a secure, flexible, and feature-rich operating environment.

- Web Browsing: Chromium and Mozilla Firefox for modern web applications.
- Remote Management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for efficient remote access.
- Application Support: Java, Python, glibc for custom applications; LibreOffice and PDF viewer for productivity.
- Multimedia: Integrated multimedia player with MPEG4 support and SIP video/voice over IP.





## 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     | 64 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 |

### NETWORKING

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|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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 | Thinvent® Thinux™ Embedded Linux   |
| OS Features      | Chromium and Mozilla Firefox browsers.<br>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.<br>Browser based remote management. VNC shadowing.<br>Java, Python and glibc based location application support.<br>LibreOffice and PDF viewer.<br>Multimedia player with MPEG4 support.<br>SIP video and voice over IP. |

## 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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