



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: IPC5-I5\_14-32-M512-12\_5-M-THINUX-0



Unleash Industrial Brilliance: Power, Precision, and Unwavering Performance.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is engineered for the most demanding applications, including advanced industrial automation, machine vision, and edge computing. Proudly 100% designed in India.

### Unrivaled Performance

- Harness the power of the Intel® Core™ 5 120U processor, featuring 10 cores and turbo speeds up to 5.0 GHz with a 12 MB cache, for lightning-fast data processing.
- Seamless multitasking is guaranteed with 8GB DDR4 RAM.
- Swift system responsiveness comes from the 128GB SSD.

### Built for Extremes

- Its fanless design ensures silent, dust-free operation and exceptional reliability in harsh environments.
- The robust, dark grey anodised aluminium housing provides superior durability and a smooth finish.

- Operates flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity.

### Extensive Connectivity

- Connect multiple displays with dual HDMI and one VGA port.
- Benefit from flexible peripheral integration with two USB 3.0 and two USB 2.0 ports.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

### Thinvent Thinux™ Embedded Linux

- Experience a secure and versatile operating environment.
- Benefit from RDP 10, SSH, and browser-based remote management.
- Ready for diverse applications with Java, Python, LibreOffice, and multimedia support.

Compact yet powerful, the IPC5 delivers robust performance in a sleek 197mm × 210mm × 65mm footprint, making it the ideal choice for mission-critical industrial deployments.



## Specifications

### PROCESSING

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|                 |        |
|-----------------|--------|
| Generation      | 14th   |
| Series          | i5     |
| Processor Brand | Intel  |
| Processor Model | 120U   |
| Cores           | 10     |
| Max Frequency   | 5 GHz  |
| Cache           | 12 MB  |
| Main Memory     | 32 GB  |
| SSD Storage     | 512 GB |

### DISPLAY

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|      |   |
|------|---|
| HDMI | 2 |
| 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 3.0           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 3                |
| Front Serial Port | 2 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 | 2.43kg, 2.85kg          |

### 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_14-[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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