



# Thinvent Industrial PC IPC5

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM

128GB SSD

No WiFi

Without OS

Quad DB9 Serial



SKU: IPC5-CU5\_14L-32\_5-M128-12\_5-X-W\_OS-4S

Power Through the Toughest Environments: The Rugged Core of Modern Industry.

### Engineered for Demanding Applications

Meet the Thinvent® IPC5, a high-performance industrial computer built to deliver relentless processing power where it matters most. This rugged, fanless system is 100% designed in India to master advanced industrial automation, sophisticated machine vision, and critical edge computing tasks without faltering.

### Uncompromising Reliability for Your Critical Operations

Its robust, all-aluminium chassis with a smooth anodised grey finish provides superior protection and heat dissipation, ensuring steadfast operation in challenging conditions. The completely silent, fanless design eliminates moving parts, dramatically increasing longevity and preventing dust ingress for maintenance-free dependability.

### Advanced Connectivity Drives Efficiency

Boasting extensive legacy and modern I/O, including multiple serial ports and dual Gigabit LAN, the IPC5 seamlessly integrates with a vast array of factory floor equipment, sensors, and networks. This connectivity powerhouse consolidates control, streamlines data acquisition, and brings intelligent processing to the edge of your operations.

### Built for the Future of Industry

- Deploy a robust computing core that thrives in harsh, variable environments.
- Execute complex automation and vision processing with consistent, silent power.
- Future-proof your infrastructure with a versatile platform designed for industrial endurance.
- Support domestic innovation with a system meticulously engineered and designed in India.

Choose the IPC5 for a formidable, reliable, and connected industrial computing solution that works as hard as you do.



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | Ultra 5 |
| Processor Brand | Intel   |
| Processor Model | 125U    |
| Cores           | 12      |
| Max Frequency   | 4.3 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 128 GB  |

### DISPLAY

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|          |   |
|----------|---|
| HDMI 2.0 | 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     | 2                |
| Front Serial Port | 2 DB9 male RS232 |
| Rear Serial Port  | 4 DB9 male RS232 |
| RS485 Option      | 1                |

### NETWORKING

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|                |           |
|----------------|-----------|
| Ethernet       | 1000 Mbps |
| Ethernet Ports | 2         |

### 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 | 2.83kg, 3.25kg          |

### OPERATING SYSTEM

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|                  |            |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

## Ordering Information

| PRODUCT CODE   |   |                         |  |
|--|---|-------------------------|--|
| <b>IPC5-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]</b> |   |                         |  |
| RAM  | <b>8_5</b> = 8GB DDR5   | <b>16_5</b> = 16GB DDR5 | <b>32_5</b> = 32GB DDR5  |
| SSD  | <b>m128</b> = 128GB<br><b>m32</b> = 32GB<br><b>m1024</b> = 1TB                                  |                         | <b>m256</b> = 256GB<br><b>m512</b> = 512GB   |
| Wireless   | <b>m</b> = Dual Band WiFi   |                         | <b>X</b> = No WiFi   |
| OS   | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinix</b> = Thinix™ Embedded Linux |                         | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux |
| Accessories  | <b>0</b> = None   |                         | <b>4S</b> = Quad DB9 Serial  |

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