



# 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 (2 x 16GB)

512GB SSD

## Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-CU5\_14L-16\_5\_16\_5-M512-12\_5-M-11P-4S



Engineered for the relentless rhythm of industry.

Built for the toughest jobs on the factory floor and beyond, the Thinvent IPC5 delivers uncompromising power in a silent, rugged package. This is the robust computing core for advanced automation where failure is not an option.

### Unmatched Power and Reliability

- Experience smooth, responsive performance for complex machine vision, data acquisition, and real-time control systems, keeping your most critical processes running flawlessly.
- Its completely fanless design eliminates dust intrusion and mechanical failure points, ensuring 24/7 operation in harsh, dusty environments without a whisper.
- The robust aluminium chassis with a smooth anodised finish provides superior heat dissipation and stands up to the knocks and vibrations of industrial life.

### Ultimate Connectivity for Industrial Integration

- Seamlessly connect to a legacy world with four serial ports while embracing modern networks with dual Gigabit LAN, making integration into existing and new systems effortless.
- Deploy it anywhere as a powerful edge computing node, leveraging built-in dual-band WiFi to gather, process, and transmit data right where it's created.
- Proudly 100% designed in India to meet the specific demands of modern industry, it arrives ready to work with Windows 11 Pro for a familiar, powerful interface.

Stop compromising. Choose the silent, rugged powerhouse built to drive your automation forward.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| 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     | 512 GB  |

### DISPLAY

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

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Ethernet Ports      | 2                             |
| 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 | 2.83kg, 3.25kg          |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

| PRODUCT CODE                                                |                                      |                      |                            |                                      |
|-------------------------------------------------------------|--------------------------------------|----------------------|----------------------------|--------------------------------------|
| IPC5-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories] |                                      |                      |                            |                                      |
| RAM                                                         | 8_5 = 8GB DDR5                       | 16_5 = 16GB DDR5     | 32_5 = 32GB DDR5           | 32_5_32_5 = 64GB DDR5 RAM (2 x 32GB) |
|                                                             | 16_5_16_5 = 32GB DDR5 RAM (2 x 16GB) |                      |                            |                                      |
| SSD                                                         | m128 = 128GB                         | m256 = 256GB         | m512 = 512GB               | m1024 = 1TB                          |
| Wireless                                                    | m = Dual Band WiFi                   | X = No WiFi          |                            |                                      |
| OS                                                          | DOS = DOS                            | W_OS = Without OS    | 11V = Windows 11 IoT Value | 11P = Windows 11 Pro                 |
|                                                             | Thinix = Thinix™ Embedded Linux      | U = Ubuntu Linux     |                            |                                      |
| Accessories                                                 | 0 = None                             | 4S = Quad DB9 Serial |                            |                                      |

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