



# 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)

128GB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-CU5\_14L-16\_5\_16\_5-M128-12\_5-X-11V-4S



Unleash the future of industrial automation, designed for India.

Engineered for the harshest environments, the Thinvent® IPC5 is your cornerstone for relentless performance. This fanless marvel delivers silent, maintenance-free operation, eliminating dust and vibration concerns to ensure flawless 24/7 uptime.

### Core strengths

- **\*\*Power meets precision:\*\*** Harness advanced processing muscle to seamlessly handle demanding tasks like real-time machine vision, complex data acquisition, and intelligent edge computing. It's built to think fast and act faster.

- **\*\*Rugged reliability:\*\*** Its robust, all-aluminium chassis with a smooth anodised finish is built to withstand shock, vibration, and extreme temperatures. This is durability you can depend on, day in and day out.
- **\*\*Unmatched connectivity:\*\*** With multiple serial ports and dual LAN, it's the ultimate hub for legacy machinery and modern networks, simplifying integration and future-proofing your operations.

Ideal for advanced industrial automation, digital signage control, and ruggedised kiosks. This is high-performance computing, hardened for reality.



## 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     | 128 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         |

### 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 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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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