



# Thinvent Industrial PC IPC5

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

64GB DDR5 RAM (2 x 32GB)

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-CU5\_14L-32\_5\_32\_5-M256-12\_5-X-11V-0



Engineered for the industrial edge: The Thinvent IPC5 delivers relentless computing power, sealed in silent, rugged reliability.

### Built for demanding applications

- Power advanced machine vision systems with the speed and intelligence to make real-time decisions.
- Drive sophisticated automation lines with flawless precision and uptime.
- Process data at the network edge with robust, fanless operation that thrives in harsh environments.

### Rugged by design

- Its fanless, all-metal chassis ensures complete silence and immunity to dust and particulates.

- Engineered for 24/7 operation in fluctuating temperatures, providing steadfast reliability where it matters most.
- Features extensive connectivity with dual LAN and legacy serial ports for seamless integration into any industrial ecosystem.

More than just robust hardware, it's a partner in progress. This high-performance Industrial PC is proudly 100% designed in India, bringing world-class innovation and durability to the heart of your operations. Deploy the IPC5 and build your industrial future on a foundation of uncompromising power and resilience.



## 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     | 64 GB   |
| SSD Storage     | 256 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 |
| 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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