



# 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

## Thinux Embedded Linux

SKU: IPC5-CU5\_14L-16\_5\_16\_5-M512-12\_5-M-THINUX-0



Unleash the power of the industrial edge.

Engineered for the real world, the Thinvent® IPC5 delivers robust, reliable computing where it matters most. This fanless industrial PC is built to thrive in demanding environments, offering silent, maintenance-free operation with a sleek, anodised grey aluminium housing that stands up to dust, vibration, and wide temperature ranges.

### Ready for anything your operation throws at it

- Advanced performance for complex tasks like machine vision, real-time analytics, and industrial automation.

- Exceptional connectivity with dual LAN ports, multiple serial connections, and high-speed USB for seamless integration with machinery and sensors.
- Flexible remote management through a browser-based interface, VNC, and RDP for effortless control and monitoring from anywhere.
- A versatile platform supporting industrial applications, multimedia, VoIP, and office tools right out of the box on our optimised Thinux™ OS.

100% designed in India for global resilience. Choose the IPC5 for a future-proof foundation that powers innovation at the edge.



# Thinvent Industrial PC IPC5



## 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 |
| 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 |

### 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 | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

Cable Length

2 Metre

## 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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