



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 4GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: IPC5-I5\_14-4-M128-12\_5-M-U-0



Unyielding Power, Unmatched Precision: The Future of Industrial Computing.

Introducing the Thinvent® Industrial PC IPC5: a high-performance, rugged, and fanless powerhouse, meticulously designed and 100% made in India for the most demanding industrial environments. Its dark grey anodized aluminum housing not only ensures durability but also offers a sleek, professional finish.

### Unrivalled Performance

**At its core, the Intel® Core™ 5 120U processor delivers blistering speed and efficiency with**

- 10 Cores
- Up to 5.0 GHz Max Frequency
- 12 MB Cache

**Paired with 16GB DDR4 RAM and a blazing-fast 512GB SSD, the IPC5 is engineered for**

- Advanced industrial automation
- High-precision machine vision
- Demanding edge computing applications

### Built for the Toughest Conditions

The IPC5's robust fanless design guarantees silent, maintenance-free operation and extreme reliability, enduring temperatures from 0°C to 50°C and humidity from 20% to 80% RH. Certified with RoHS and ISO, it meets stringent quality and environmental standards.

### Extensive Connectivity

**Power your entire setup with a comprehensive array of I/O options**

- 2 HDMI and 1 VGA for versatile display configurations
- 2 USB 3.0 and 2 USB 2.0 ports for peripheral expansion
- 1000 Mbps Ethernet for robust wired networking
- Dual-band Wi-Fi 5 (802.11ac) for flexible wireless connectivity
- Speaker Out and Mic In ports

### Ready for Deployment

Running on the stable and secure Ubuntu Linux 24.04 LTS, the IPC5 offers a reliable software foundation. It features a compact 197mm × 210mm × 65mm form factor and draws power from a 12V 7A adapter with a wide 100~275V AC input range, ensuring global compatibility and ease of integration.



# Thinvent Industrial PC IPC5



## Specifications

### PROCESSING

|                 |        |
|-----------------|--------|
| Generation      | 14th   |
| Series          | i5     |
| Processor Brand | Intel  |
| Processor Model | 120U   |
| Cores           | 10     |
| Max Frequency   | 5 GHz  |
| Cache           | 12 MB  |
| Main Memory     | 4 GB   |
| SSD Storage     | 128 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

|                   |   |
|-------------------|---|
| Speaker Out       | 1 |
| Mic In            | 1 |
| Front Speaker Out | 1 |
| Front Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.0           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 3                |
| Front Serial Port | 2 DB9 male RS232 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| 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 | 2.43kg, 2.85kg          |

### OPERATING SYSTEM

|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

| PRODUCT CODE                                              |                                 |              |                      |                |
|-----------------------------------------------------------|---------------------------------|--------------|----------------------|----------------|
| IPC5-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                 |              |                      |                |
| RAM                                                       | 4 = 4GB DDR4                    | 8 = 8GB DDR4 | 16 = 16GB DDR4       | 32 = 32GB DDR4 |
|                                                           | 64 = 64GB DDR4                  |              |                      |                |
| SSD                                                       | m128 = 128GB                    |              | m256 = 256GB         |                |
|                                                           | m32 = 32GB                      |              | 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 |                |
|                                                           | Thinux = Thinux™ Embedded Linux |              | U = Ubuntu Linux     |                |
| Accessories                                               | 0 = None                        |              | 4S = Quad DB9 Serial |                |

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