



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

**4GB DDR4 RAM**

**128GB SSD**

**No WiFi**

**Windows 11 IoT Value**

SKU: IPC5-I5\_14-4-M128-12\_5-X-11V-0



Unleash Unrivaed Industrial Power, Engineered in India.

The Thinvent® Industrial PC IPC5 redefines robust performance for the toughest industrial environments. Meticulously 100% designed in India, this high-performance, fanless PC offers unparalleled reliability and power at the edge.

### Unmatched Processing Power

- At its core, the Intel® Core™ 5 120U processor boasts 10 cores, bursting up to 5.0 GHz with a 12 MB cache, delivering exceptional speed for advanced industrial automation, intricate machine vision, and demanding edge computing tasks.
- Paired with 32GB DDR4 RAM and a rapid 128GB SSD, experience seamless multitasking and lightning-fast data access, powered by the secure, long-term stability of Windows 11 IoT Enterprise LTSC 2024 Value.

### Built for Endurance

- Its rugged, fanless design, housed in a smooth, dark grey anodised aluminium chassis (197mm × 210mm × 65mm), ensures silent operation and maximum durability against dust and extreme temperatures (0°C to 50°C).
- Operating reliably in 20% to 80% RH non-condensing humidity, it is RoHS and ISO certified, affirming its quality and environmental compliance.

### Extensive Connectivity

- Adapt to any setup with dual HDMI and a VGA port for multi-display configurations.
- Four USB ports (2x USB 3.0, 2x USB 2.0), high-speed 1000 Mbps Gigabit Ethernet, and audio input/output provide comprehensive connectivity for your diverse industrial peripherals.
- Powered by a stable 12V 7A DC input, with a 2 Metre AC power cable.

Powering the future of industry, the IPC5 is your ultimate solution for mission-critical operations.



## 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 |
|----------|-----------|

### 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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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