



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5\_14-16-M256-12\_5-X-11V-0



Unleash Unrivaled 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 x 210mm x 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

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|                 |        |
|-----------------|--------|
| Generation      | 14th   |
| Series          | i5     |
| Processor Brand | Intel  |
| Processor Model | 120U   |
| Cores           | 10     |
| Max Frequency   | 5 GHz  |
| Cache           | 12 MB  |
| Main Memory     | 16 GB  |
| SSD Storage     | 256 GB |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

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

### NETWORKING

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|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

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|              |  |
|--------------|--|
| 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

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|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 50°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | RoHS, ISO                    |

### PHYSICAL

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|                      |                         |
|----------------------|-------------------------|
| 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

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|                  |   |
|------------------|---|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

## Ordering Information

| PRODUCT CODE   |  |
|--|--|
| <b>IPC5-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |  |
| RAM  | <b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4<br><b>64</b> = 64GB DDR4   |
| SSD  | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><b>m1024</b> = 1TB   |
| Wireless   | <b>m</b> = Dual Band WiFi <b>X</b> = No WiFi   |
| OS   | <b>DOS</b> = DOS <b>W_OS</b> = Without OS<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux |
| Accessories  | <b>0</b> = None <b>4S</b> = Quad DB9 Serial  |

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