



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: IPC5-I5\_14-8-M1024-12\_5-M-11V-0



### Unleash Unrivaled Industrial Power and Connectivity.

Introducing the Thinvent® Industrial PC IPC5: Engineered for the most demanding environments, this fanless powerhouse delivers exceptional performance and rock-solid reliability. Designed and manufactured in India, its robust aluminium housing with a sleek, anodised dark grey finish ensures durability and a professional aesthetic.

#### Key Performance Features

- Processor: Intel® Core™ i5 120U processor with 10 cores, boosting up to 5.0 GHz and featuring a 12 MB cache for seamless multitasking and rapid data processing.
- Memory & Storage: A massive 64GB of DDR4 RAM combined with a fast 256GB SSD provides ample capacity and lightning-quick boot and load times.

#### Connectivity Beyond Compare

- Display Outputs: Dual HDMI ports and a VGA port offer versatile display configurations.
- Audio: Integrated Speaker Out and Mic In for clear audio input/output.
- USB Ports: 2x USB 3.0 and 2x USB 2.0 ports for a wide range of peripherals.

- Serial Communication: 2x DB9 male RS232 serial ports for legacy device integration.
- Networking: A 1000 Mbps Ethernet port for reliable wired connections and Dual Band Wi-Fi 5 (802.11ac) for flexible wireless connectivity.

#### Built for the Toughest Conditions

- Power: Operates on 12V 7A DC power, with a versatile 100~275 Volts AC input.
- Environmental Resistance: With an operating temperature range of 0°C to 50°C and humidity tolerance, it's built for industrial resilience.
- Dimensions: Compact at 197mm x 210mm x 65mm.
- Certifications: RoHS and ISO certified for assured quality and compliance.

#### Seamless Integration

- Operating System: Comes pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, optimized for industrial applications.

Perfect for advanced industrial automation, demanding machine vision tasks, and powerful edge computing solutions. Experience the future of industrial computing with Thinvent®.



## 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	8 GB
SSD Storage	1024 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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
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## 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 <b>64</b> = 64GB DDR4
SSD	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <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 <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <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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