



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 IoT Value

SKU: IPC5-I5\_14-16-M512-12\_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	512 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
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### 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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

+91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

