



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Ubuntu Linux

SKU: IPC5-I5\_14-16-M512-12\_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 x 210mm x 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.



## Specifications

### PROCESSING

---

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

---

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	
<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

