



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 32GB SSD

## No WiFi

## Without OS

SKU: IPC5-I5\_14-16-M32-12\_5-X-W\_OS-0



Unleash Unrivaled Power: The Industrial Edge Redefined.

Introducing the Thinvent® Industrial PC IPC5, a powerhouse meticulously engineered for the most demanding industrial environments. This high-performance, rugged, and fanless IPC delivers exceptional computing power, extensive connectivity, and rock-solid reliability, all proudly 100% designed in India.

### Unmatched Performance

At its core lies the Intel® Core™ 5 120U processor, boasting 10 cores, speeds up to 5.0 GHz, and a 12 MB cache, perfectly complemented by a robust 32GB DDR4 RAM and a rapid 128GB SSD. This formidable combination ensures seamless operation for advanced industrial automation, complex machine vision, and intensive edge computing applications.

### Industrial Strength and Reliability

Experience unparalleled durability with its premium fanless design, encased in a sleek, smooth anodised dark grey aluminium housing. This silent, dust-proof construction withstands challenging operating temperatures from 0°C to 50°C and humidity, guaranteeing consistent performance without maintenance worries.

### Extensive Connectivity

Connectivity is comprehensive for your industrial needs

- Dual HDMI, VGA, Speaker Out, Mic In for versatile display and audio.
- Two USB 3.0 and two USB 2.0 ports for diverse peripheral integration.
- Blazing-fast 1000 Mbps Ethernet for critical network communication.

### Robust Power and Integration

Powering this unit is a 12V 7A adapter with a 2-metre cable, drawing stable power from 100~275V AC. Certified with RoHS and ISO standards, the compact 197mm x 210mm x 65mm dimensions ensure easy integration. Delivered Without OS, it offers maximum flexibility for your preferred software environment.



## 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	32 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	Without OS
------------------	------------

## 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

