



# Thinvent Industrial PC IPC5

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

## 16GB DDR5 RAM

## 32GB SSD

## Dual Band WiFi

## Windows 11 Pro

## Quad DB9 Serial



SKU: IPC5-CU5\_14L-16\_5-M32-12\_5-M-11P-4S

Engineered for the relentless rhythm of industry.

Built for the toughest jobs on the factory floor and beyond, the Thinvent IPC5 delivers uncompromising power in a silent, rugged package. This is the robust computing core for advanced automation where failure is not an option.

### Unmatched Power and Reliability

- Experience smooth, responsive performance for complex machine vision, data acquisition, and real-time control systems, keeping your most critical processes running flawlessly.
- Its completely fanless design eliminates dust intrusion and mechanical failure points, ensuring 24/7 operation in harsh, dusty environments without a whisper.
- The robust aluminium chassis with a smooth anodised finish provides superior heat dissipation and stands up to the knocks and vibrations of industrial life.

### Ultimate Connectivity for Industrial Integration

- Seamlessly connect to a legacy world with four serial ports while embracing modern networks with dual Gigabit LAN, making integration into existing and new systems effortless.
- Deploy it anywhere as a powerful edge computing node, leveraging built-in dual-band WiFi to gather, process, and transmit data right where it's created.
- Proudly 100% designed in India to meet the specific demands of modern industry, it arrives ready to work with Windows 11 Pro for a familiar, powerful interface.

Stop compromising. Choose the silent, rugged powerhouse built to drive your automation forward.



## Specifications

### PROCESSING

---

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	32 GB

### DISPLAY

---

HDMI 2.0	1
VGA	1

### AUDIO

---

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

### CONNECTIVITY

---

USB 3.2	2
USB 2.0	2
Front USB 2.0	2
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

### NETWORKING

---

Ethernet	1000 Mbps
Ethernet Ports	2
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	2.83kg, 3.25kg

### OPERATING SYSTEM

---

Operating System	Microsoft Windows 11 Pro
------------------	--------------------------

## Ordering Information

PRODUCT CODE			
<b>IPC5-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]</b>			
RAM	<b>8_5</b> = 8GB DDR5	<b>16_5</b> = 16GB DDR5	<b>32_5</b> = 32GB DDR5
SSD	<b>m128</b> = 128GB <b>m32</b> = 32GB <b>m1024</b> = 1TB		<b>m256</b> = 256GB <b>m512</b> = 512GB
Wireless	<b>m</b> = Dual Band WiFi		<b>X</b> = No WiFi
OS	<b>DOS</b> = DOS <b>11V</b> = Windows 11 IoT Value <b>Thinix</b> = Thinix™ Embedded Linux		<b>W_OS</b> = Without OS <b>11P</b> = Windows 11 Pro <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

