



# Thinvent Industrial PC IPC5

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

## 32GB DDR5 RAM

## 256GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## Quad DB9 Serial



SKU: IPC5-CU5\_14L-32\_5-M256-12\_5-M-11V-4S

## Power Through Industry Without Breaking a Sweat.

Meet the Thinvent® IPC5, the industrial powerhouse engineered for the most demanding environments. This fanless, rugged PC delivers relentless computing muscle for your critical operations, with a sleek, 100% India-designed aluminium chassis that stands up to dust, vibration, and round-the-clock use.

### Built to Endure

- Its completely fanless, solid-state design means zero moving parts, eliminating dust ingress and mechanical failure for ultimate reliability.
- The robust, anodised dark grey aluminium housing dissipates heat silently and withstands the rigours of the factory floor.
- Engineered to perform consistently in a wide range of temperatures, ensuring your processes never falter.

### Connect and Control Everything

- Extensive connectivity, including multiple serial ports and dual LAN, lets you interface seamlessly with a vast array of industrial machinery, PLCs, and legacy equipment.
- With high-speed processing and versatile I/O, it's the perfect central brain for advanced machine vision systems, real-time automation, and intelligent edge computing applications.

### Your Intelligent Edge

Transform data into action at the source. The IPC5 provides the robust, high-performance computing foundation needed to run complex analytics and control algorithms right where it matters—reducing latency, increasing efficiency, and driving your Industry 4.0 initiatives forward.



## Specifications

### PROCESSING

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Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	256 GB

### DISPLAY

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HDMI 2.0	1
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 3.2	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

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Ethernet	1000 Mbps
Ethernet Ports	2
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	2.83kg, 3.25kg

### 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-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

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