



# 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

256GB SSD

No WiFi

DOS

Quad DB9 Serial



SKU: IPC5-CU5\_14L-16\_5-M256-12\_5-X-DOS-4S

Engineered for the Edge: Where Power Meets Unwavering Reliability.

### Introducing the Thinvent® IPC5 Industrial PC

Designed for demanding industrial environments, this high-performance computing solution delivers exceptional processing power within an incredibly rugged, fanless chassis. It's built to thrive where others falter, ensuring your critical operations continue without interruption.

### Unmatched Durability for Harsh Environments

- Experience total silence and enhanced reliability with advanced fanless passive cooling, eliminating dust ingress and moving part failures.
- Its robust aluminium housing with a smooth anodised finish is built to withstand vibration, shock, and a wide range of operational temperatures.
- A 100% Indian design, precision-engineered for resilience in the most challenging factory and field conditions.

### Empower Advanced Industrial Applications

Harness the substantial processing power to drive complex tasks right at the source.

- Perfectly suited for advanced industrial automation, real-time machine vision systems, and intelligent edge computing nodes.
- Extensive connectivity, including multiple serial ports and dual LAN, allows seamless integration with a vast array of machinery, PLCs, and legacy equipment.
- Achieve faster data processing and local decision-making, reducing latency and increasing the efficiency of your entire operation.

### Your Trusted Core for Critical Systems

This isn't just a computer; it's the dependable heart of your automated processes. From controlling production lines to analysing sensor data at the edge, the IPC5 provides the steadfast performance and ruggedness required for 24/7 mission-critical applications. Invest in a robust computing foundation designed to perform, day in and day out.



## 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	16 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

### 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	FreeDOS
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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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