



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 64GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 IoT Value

## Quad DB9 Serial

SKU: IPC5-I5\_13-64-M512-12\_5-X-11V-4S



Unrivalled Power. Unyielding Reliability. Unmatched Connectivity.

The Thinvent® Industrial PC IPC5 redefines industrial computing, offering a high-performance, rugged, and fanless solution for the most demanding environments. Proudly 100% designed in India, its sleek, dark grey anodised aluminium housing speaks to its superior build quality and endurance.

### Performance Prowess

At its core, the IPC5 boasts an Intel® Core™ i5-1335U processor with 10 cores, bursting up to 4.6 GHz, backed by a 12 MB cache. Coupled with a massive 64GB DDR4 RAM and a swift 256GB SSD, this machine is engineered for advanced industrial automation, complex machine vision, and robust edge computing, ensuring seamless operation even under heavy workloads.

### Extensive Connectivity

**Experience unparalleled versatility with a rich array of connectivity options. The IPC5 features**

- 6 DB9 male RS232 serial ports for legacy and specialized equipment
- 2 USB 3.2 and 2 USB 2.0 ports for modern peripherals

- Dual display outputs (1 HDMI, 1 VGA) for flexible monitoring setups
- Gigabit Ethernet (1000 Mbps) for high-speed network integration
- Speaker Out and Mic In for audio capabilities

### Built for the Toughest Environments

Designed for continuous operation, the IPC5 thrives in challenging conditions. Its fanless architecture ensures silent, dust-free performance, while the robust anodised aluminium chassis protects against industrial hazards, maintaining stability across a 0°C to 50°C operating temperature range.

### Operating System

Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC5 provides a secure, reliable, and optimized platform for industrial applications.

This 197mm × 210mm × 65mm power-house, powered by a 12V 7A adapter with a 2-metre cable, delivers cutting-edge performance with certified RoHS and ISO compliance.



## Specifications

### PROCESSING

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Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	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	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
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### 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	2.72kg, 3.14kg

### 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-i5_13-[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

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