



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Ubuntu Linux

## Quad DB9 Serial

SKU: IPC5-I5\_13-32-M256-12\_5-M-U-4S



### Unleash Industrial Power: The Reinvented Thinvent® IPC5.

Experience unparalleled performance and rugged reliability with the Thinvent® IPC5 Industrial PC, engineered for the most demanding industrial applications. Designed and manufactured in India, this fanless powerhouse is built to withstand harsh environments while delivering exceptional processing capabilities.

#### Key Performance Highlights

- Processor: Intel® Core™ i5-1335U (10 core, up to 4.6 GHz, 12 MB cache) for blazing-fast computation.
- Memory: 4GB DDR4 RAM for smooth multitasking.
- Storage: 128GB SSD for rapid data access and boot times.

#### Connectivity for Every Need

- Video Output: HDMI and VGA for versatile display options.
- Audio: Dedicated Speaker Out and Mic In.
- USB: 2 x USB 3.2 and 2 x USB 2.0 ports.
- Serial Ports: 6 DB9 male RS232 ports for extensive device integration.

- Network: 1000 Mbps Ethernet and Dual Band Wi-Fi 5 (802.11ac) for reliable connectivity.

#### Built for the Toughest Environments

- Rugged Design: Aluminium housing with a sophisticated dark grey anodised finish ensures durability.
- Wide Operating Temperature: 0°C to 50°C.
- Humidity Tolerance: 20% to 80% RH (non-condensing).

Seamlessly integrated with Ubuntu Linux 24.04 LTS, the Thinvent® IPC5 is your ideal solution for advanced industrial automation, machine vision, and edge computing. Power your innovation with this robust and feature-rich industrial PC.

#### Specifications

- Power Adapter: 12V 7A, 100~275 Volts AC input.
- Dimensions: 197mm x 210mm x 65mm.
- Certifications: RoHS, ISO.



## 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	32 GB
SSD Storage	256 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
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	2.72kg, 3.14kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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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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