



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Without OS

## Quad DB9 Serial



SKU: IPC3-I3\_13-32-M512-12\_5-M-W\_OS-4S

### Unleash Uncompromising Performance: Built for the Toughest Industrial Demands.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC3. Engineered for relentless 24x7 operation in harsh environments, this rugged, fanless powerhouse is 100% designed in India, embodying innovation and durability. Its anodised silver aluminium housing ensures silent, reliable performance where other PCs fail.

#### Exceptional Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores and up to 4.5 GHz, delivering rapid data processing and seamless multitasking.
- 16GB DDR4 RAM ensures smooth operation of demanding applications.
- A 128GB SSD provides lightning-fast boot times and quick access to critical data.

#### Unrivalled Connectivity

- Six DB9 male RS232 serial ports are indispensable for integrating legacy industrial equipment.
- Dual display outputs (1x HDMI, 1x VGA) enhance operational flexibility.
- Abundant USB connectivity: 2x USB 3.2, 2x USB 2.0, plus 4 additional front USB 2.0 for easy access.

- Reliable networking with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible deployment.
- Audio support includes Speaker Out and Mic In.

#### Built for Endurance

- Fanless design ensures silent operation and superior dust resistance.
- Operates flawlessly in temperatures from 0°C to 50°C.
- Tolerates 20% to 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter with wide 100~275V AC input.
- Compact dimensions (200mm x 184mm x 52mm) allow for versatile installation.
- RoHS and ISO certified for quality and compliance.

#### Ultimate Flexibility

- Ships without an operating system, allowing you to deploy your preferred OS and custom applications with ease.

The Thinvent® IPC3 is the robust, high-performance solution your industrial and IoT applications demand.



## Specifications

### PROCESSING

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Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 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

### 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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.38kg, 2.80kg

### OPERATING SYSTEM

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Operating System	Without OS
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## Ordering Information

PRODUCT CODE	
<b>IPC3-i3_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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