



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux

## Quad DB9 Serial



SKU: IPC3-I3\_13-32-M128-12\_5-M-U-4S

### Unmatched Industrial Durability, Unwavering Performance: The Thinvent IPC3.

Engineered to excel in the harshest industrial and IoT environments, the Thinvent® Industrial PC IPC3 delivers robust, fanless 24x7 operation. Proudly 100% designed in India, this system is the epitome of reliability and performance.

#### Performance Powerhouse

At its core, the IPC3 features an Intel® Core™ i3-1315U processor with 6 cores, boosting up to 4.5 GHz, backed by 10 MB cache and 8GB DDR4 RAM. Experience blazing-fast application loading and data processing with a generous 1TB SSD, ensuring your operations never miss a beat.

#### Unrivaled Connectivity

Seamlessly integrate with legacy and modern equipment thanks to an exceptional array of I/O, including four dedicated DB9 RS232 serial ports, two USB 3.2, six USB 2.0 (four front-facing), Gigabit Ethernet, and dual-band Wi-Fi 5 (802.11ac). Expand your display options with HDMI and VGA outputs.

#### Rugged by Design

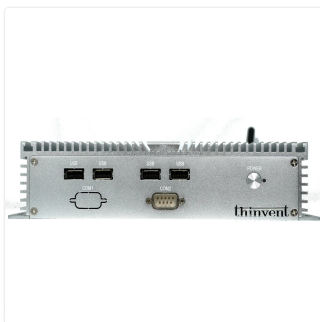
Housed in a sleek, silver anodised aluminium chassis measuring just 200mm × 184mm × 52mm, its fanless operation ensures silent, dust-free performance, even in challenging conditions from 0°C to 50°C. Certified for RoHS and ISO, it's built for long-term endurance.

#### Operating System

Pre-installed with Ubuntu Linux 24.04 LTS, the IPC3 provides a secure, flexible, and open-source platform ready for your industrial applications.

#### Key Advantages

- Powerful 6-core Intel Core i3 processor for demanding tasks
- Expansive 1TB SSD and 8GB DDR4 RAM for lightning-fast responsiveness
- Fanless, anodised aluminium housing ensures silent, durable operation
- Four DB9 serial ports for extensive industrial device compatibility
- Dual-band Wi-Fi 5 and Gigabit Ethernet for robust networking
- Wide operating temperature range (0°C ~ 50°C) for diverse environments
- Compact, Indian-designed industrial solution built for reliability



## 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	128 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	Ubuntu Linux 24.04 LTS
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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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

**R&D and Manufacturing**  
 #11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

**Sales**  
 UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

