



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 Pro

## Quad DB9 Serial

SKU: IPC3-I3\_12-16-M512-12\_5-X-11P-4S



Unyielding Power, Unwavering Reliability: Built for the Edge.

Introducing the Thinvent® Industrial PC IPC3, a robust, fanless powerhouse engineered for the most demanding industrial and IoT environments. Proudly 100% designed in India, this durable computing solution ensures seamless 24x7 operation, even in harsh conditions. Its elegant silver anodised aluminium housing speaks to both resilience and precision engineering.

### Performance

At its core, the IPC3 boasts an Intel® Core™ i3-1215U processor with 6 cores, delivering blistering speeds up to 4.4 GHz and a substantial 10 MB cache for rapid data processing. Paired with 4GB DDR4 RAM and a swift 128GB SSD, it offers responsive performance essential for critical applications where speed and efficiency are paramount.

### Connectivity

**Designed for comprehensive industrial integration, the IPC3 features an exceptional array of connectivity**

- 6 DB9 male RS232 serial ports for extensive legacy device compatibility and advanced sensor networks.
- 2 USB 3.2 ports and 6 USB 2.0 ports (2 rear, 4 front) for versatile peripheral connection.

- Dual display options with 1 HDMI and 1 VGA, plus speaker out and mic in for complete multimedia needs.
- Gigabit Ethernet (1000 Mbps) ensures stable, high-speed wired networking, crucial where wireless interference or security is a concern.

### Durability and Design

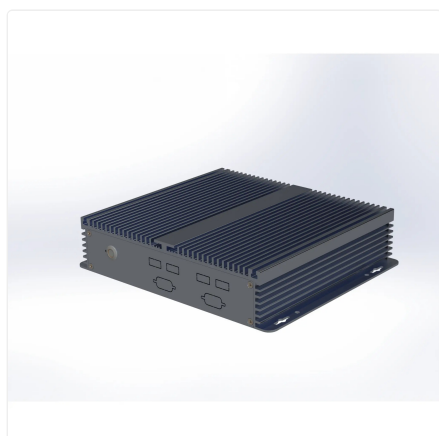
Its fanless design eliminates moving parts, significantly enhancing reliability and reducing maintenance in dusty or challenging settings. Housed in a compact 200mm × 184mm × 52mm silver anodised aluminium chassis, the IPC3 is built to last. It operates flawlessly across a wide 0°C ~ 50°C temperature range and 20% ~ 80% RH non-condensing humidity.

### Operating System

Pre-installed with Microsoft Windows 11 Pro, it offers a familiar, secure, and powerful operating environment ready for your industrial software.

### Power and Certifications

- Robust power input: 100~275 Volts AC, 50~60 Hz, with a 12V 7A DC adapter for a 2-metre reach.
- Certified to RoHS and ISO standards, guaranteeing quality and environmental compliance.



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 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
RS485 Option	1

### 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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.45kg, 2.87kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 Pro
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## Ordering Information

PRODUCT CODE	
<b>IPC3-i3_12-[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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