



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## Quad DB9 Serial



SKU: IPC3-I3\_12-16-M512-12\_5-M-11V-4S

Unleash Industrial Power, Anywhere: Introducing the Thinvent® IPC3 Industrial PC.

### Built for the Toughest Challenges

Experience unparalleled reliability and performance with the Thinvent® IPC3, a fanless, rugged Industrial PC engineered for 24x7 operation in demanding environments. Designed and manufactured with precision in India, its anodised aluminium housing ensures durability and a sleek, silver finish that complements any industrial setting.

### Powerful Processing for Demanding Tasks

Equipped with an Intel® Core™ i3-1215U processor, featuring 6 cores and a turbo boost up to 4.4 GHz with 10 MB cache, the IPC3 handles complex industrial applications with ease. Paired with a massive 64GB DDR4 RAM, multitasking and data-intensive operations are seamless.

### Versatile Connectivity for Seamless Integration

The IPC3 boasts extensive connectivity options to integrate flawlessly into your existing infrastructure.

- 1 x HDMI
- 1 x VGA
- 1 x Speaker Out
- 1 x Mic In
- 2 x USB 3.2 ports
- 2 x USB 2.0 ports
- 4 x Front USB 2.0 ports
- 6 x DB9 male RS232 serial ports for legacy device support

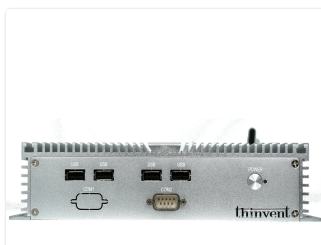
- 1000 Mbps Ethernet for robust network connectivity
- Dual-band Wi-Fi (802.11ac) for flexible wireless integration

### Reliable Operation and Future-Proof OS

Enjoy peace of mind with its robust power supply (12V 7A Adapter) and wide AC input range. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC3 provides a stable and secure platform for your IoT and industrial applications. Its fanless design operates efficiently within a temperature range of 0°C to 50°C and humidity of 20% to 80% RH non-condensing.

### Key Specifications

- Processor: Intel® Core™ i3-1215U (6 Core, up to 4.4 GHz, 10 MB Cache)
- Memory: 64GB DDR4 RAM
- Storage: 128GB SSD
- Power: 12V 7A Adapter (100~275 Volts AC input)
- Wireless: Dual Band Wi-Fi 5 (802.11ac)
- Operating System: Windows 11 IoT Enterprise LTSC 2024 Value
- Serial Ports: 6 x DB9 RS232
- Certifications: RoHS, ISO
- Dimensions: 200mm x 184mm x 52mm





## 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
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	2.45kg, 2.87kg

### 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>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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