



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 64GB DDR4 RAM

## 256GB SSD

## No WiFi

## Windows 11 IoT Value

## Quad DB9 Serial

SKU: IPC3-I3\_12-64-M256-12\_5-X-11V-4S



Unleash Unrivaled Performance in the Harshest Environments.

The Thinvent® Industrial PC IPC3, powered by the Intel® Core™ i3-1215U processor, is engineered for relentless operation where standard PCs simply fail. Proudly 100% designed in India, this rugged, fanless marvel delivers exceptional computing power for the most demanding industrial and IoT applications, ensuring 24x7 reliability.

### Engineered for Extremes

- Its robust fanless design eliminates dust ingress and moving parts, ensuring silent, maintenance-free operation in challenging environments.
- The premium anodised silver aluminium housing provides superior heat dissipation and enduring protection, capable of operating from 0°C to 50°C and 20% to 80% RH (non-condensing).
- RoHS and ISO certifications underscore its commitment to quality and environmental standards.

### Unwavering Power & Speed

- Experience powerful processing with the 6-core Intel® Core™ i3-1215U, boasting speeds up to 4.4 GHz and 10 MB cache for efficient multitasking and data processing.
- Ample 8GB DDR4 RAM ensures smooth application performance.

- A blazing-fast 256GB SSD provides quick boot-ups and rapid data access for critical operations.

### Seamless Connectivity for Industrial Ecosystems

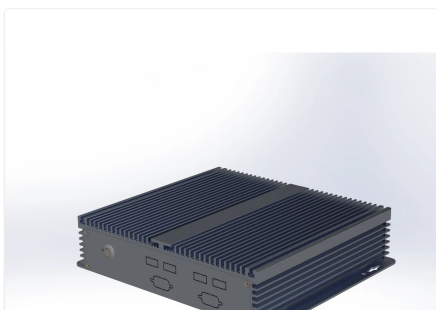
- Quad DB9 male RS232 serial ports for extensive legacy device support.
- Two USB 3.2 and six USB 2.0 (including four convenient front-panel ports) offer versatile peripheral connections.
- Dual video outputs: HDMI and VGA for flexible display setups.
- Integrated 1000 Mbps Ethernet for reliable network communication.
- Audio ports: Speaker Out, Mic In.

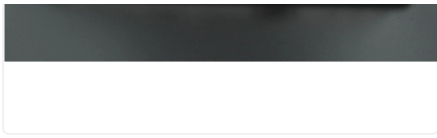
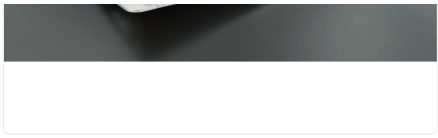
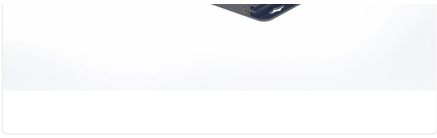
### Power and Dimensions

- Compact footprint: 200mm × 184mm × 52mm for easy integration.
- Stable 12V 7A DC power input with a 2 Metre cable.
- Adaptable power input: 100~275 Volts AC.

### Ready for Your Toughest Tasks

- Pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a stable, secure, and long-term supported platform for industrial deployments.
- No WiFi – focusing on wired reliability for critical systems.





## 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	64 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

### 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 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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