



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 IoT Value



SKU: IPC3-I3\_12-16-M128-12\_5-M-11V-0

Unleash Uncompromising Power in Every Environment: The Thinvent® Industrial PC IPC3.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC3, 100% designed in India for unparalleled reliability. Engineered to thrive in harsh environments, this rugged, fanless powerhouse guarantees continuous 24x7 operation, making it ideal for critical industrial and IoT applications. Its sleek, anodised silver aluminium housing not only ensures exceptional durability but also provides efficient heat dissipation.

### Performance That Drives Progress

- Powered by an Intel® Core™ i3-1215U processor with 6 cores, boosting up to 4.4 GHz and featuring a 10 MB cache, for rapid data processing and seamless multitasking.
- Equipped with 8GB DDR4 RAM and a swift 128GB SSD, delivering lightning-fast boot times and responsive application performance.

### Versatile Connectivity

- Extensive I/O including 2x USB 3.2, 6x USB 2.0 (4 conveniently front-accessible), HDMI, and VGA for dual display capabilities.
- Integrated gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) ensure robust and flexible networking options.

- Audio support with Speaker Out and Mic In ports.

### Built for Endurance

- Fanless design eliminates moving parts, reducing maintenance and preventing dust ingress for silent, reliable operation.
- Certified RoHS and ISO compliant, ensuring quality and environmental responsibility.
- Operates flawlessly across a wide temperature range from 0°C to 50°C and 20% to 80% RH non-condensing humidity.
- Compact dimensions (200mm x 184mm x 52mm) for easy integration into any setup.

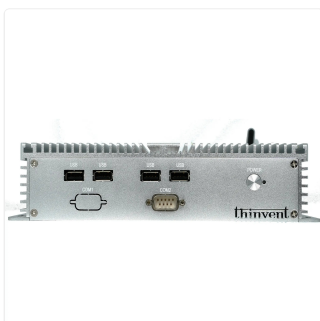
### Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing long-term support, enhanced security, and stability tailored for industrial embedded systems.

### Power and Design

- Includes a 12V 7A adapter, compatible with a broad 100~275V AC input.
- Rugged silver anodised aluminium chassis.

Elevate your industrial operations with the Thinvent® IPC3 – where cutting-edge performance meets unyielding durability.



## 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	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
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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