



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 1TB SSD

## No WiFi

## Without OS

## Quad DB9 Serial

SKU: IPC3-I3\_12-32-M1024-12\_5-X-W\_OS-4S



Thinvent® Industrial PC IPC3: Unyielding Performance, Engineered for Extremes.

### Overview

Experience uncompromising reliability with the Thinvent® Industrial PC IPC3, a fanless powerhouse meticulously designed for 24x7 operation in the most demanding industrial and IoT environments. 100% designed in India, its rugged construction and anodised silver aluminium housing ensure exceptional durability and silent, dust-free performance in harsh conditions.

### Core Performance

#### Powering your critical applications is an Intel® Core™ i3-1215U processor

- Features 6 efficient cores with speeds up to 4.4 GHz
- Substantial 10 MB cache for responsive, high-performance computing

Paired with 4GB DDR4 RAM and a lightning-fast 1TB SSD, the IPC3 handles intensive data processing and storage with ease, ensuring swift access and smooth multitasking.

### Robust Connectivity

#### Seamless integration is key. The IPC3 boasts extensive connectivity options vital for industrial automation

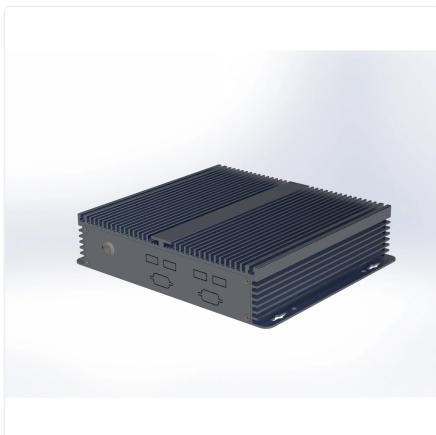
- Six DB9 male RS232 serial ports for broad legacy device compatibility
- Eight versatile USB ports (two USB 3.2, six USB 2.0)
- Dual display outputs via HDMI and VGA
- Robust 1000 Mbps Ethernet port for reliable network communication
- Speaker out and mic in for audio needs

### Industrial Design and Durability

#### Built for resilience, this compact IPC (200mm x 184mm x 52mm) is engineered to thrive

- Wide operating temperature range: 0°C to 50°C
- Operating humidity: 20% to 80% RH, non-condensing
- Housing material: Aluminium with an anodised silver finish
- Certifications: RoHS, ISO for quality and environmental compliance

It comes without an operating system, offering you complete freedom to deploy your preferred industrial OS or specialized software, backed by a robust 12V 7A adapter with versatile AC power input.



## 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	32 GB
SSD Storage	1024 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	Without OS
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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

[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

