



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## DOS

## Quad DB9 Serial



SKU: IPC3-I3\_12-32-M512-12\_5-M-DOS-4S

### Unleash Unrivaled Performance in Any Environment.

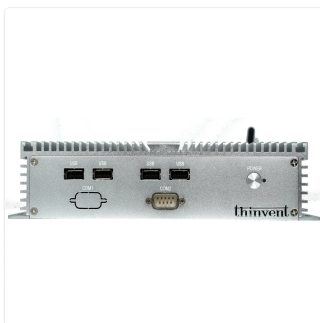
Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC3. 100% designed in India, this rugged, fanless powerhouse is engineered for relentless 24x7 operation in the harshest industrial and IoT environments. Its durable, anodised silver aluminium housing ensures silent, dust-free performance, making it the ultimate solution for critical applications requiring exceptional endurance.

Under the hood, the IPC3 boasts an Intel® Core™ i3-1215U processor with 6 cores and speeds up to 4.4 GHz, backed by a 10 MB cache. Paired with 4GB DDR4 RAM and a swift 256GB SSD, it delivers exceptional responsiveness and reliable processing power for demanding tasks. Designed to thrive, it operates flawlessly from 0°C to 50°C and maintains stability in high humidity.

### Connectivity

- Extensive Serial Ports: 6 DB9 male RS232 for legacy and industrial devices.
- High-Speed USB: 2x USB 3.2, 2x USB 2.0 (rear), plus 4x Front USB 2.0 for versatile peripheral support.
- Flexible Display Outputs: 1x HDMI, 1x VGA.
- Robust Networking: 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

Compact yet feature-rich, the IPC3 measures just 200mm x 184mm x 52mm, ensuring easy integration. With FreeDOS pre-installed and certified RoHS and ISO, it offers both flexibility and peace of mind. Powering your operations with precision and unparalleled endurance.



## 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	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	FreeDOS
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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

