



# 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



SKU: IPC3-I3\_12-32-M512-12\_5-M-DOS-0

### Thinvent® Industrial PC IPC3: Unyielding Power, Engineered for the Edge.

Introducing the Thinvent® Industrial PC IPC3, a rugged, fanless computing powerhouse designed for relentless 24x7 operation in the most demanding industrial and IoT environments. Proudly 100% designed in India, this IPC delivers exceptional performance and unmatched reliability where it matters most.

#### Core Performance

- Experience blazing-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores, a turbo frequency of up to 4.4 GHz, and a 10 MB cache for efficient handling of complex tasks.
- Multitask seamlessly with 16GB DDR4 RAM, ensuring smooth operation even with resource-intensive applications.
- Benefit from lightning-fast boot times and rapid data access thanks to the spacious 256GB SSD.

#### Robust Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.
- Connect to high-speed networks via 1000 Mbps Ethernet.
- Versatile display options with 1 HDMI and 1 VGA port.

- Expand your peripherals with 2 USB 3.2 ports, 2 USB 2.0 ports, and an additional 4 front-facing USB 2.0 ports.
- Integrate audio solutions with dedicated Speaker Out and Mic In jacks.

#### Unrivalled Durability and Design

- Built for extremes, its fanless design eliminates moving parts, reducing maintenance and ensuring silent operation from 0°C to 50°C and 20% to 80% RH (non-condensing).
- The compact 200mm x 184mm x 52mm anodised silver aluminium housing provides superior heat dissipation and robust protection, earning RoHS and ISO certifications.
- Powered by a secure 12V 7A adapter with a wide 100~275V AC input range, the IPC3 is ready for diverse power environments.

#### Flexible Software

- Comes pre-installed with FreeDOS, offering you the freedom to install your preferred operating system.

The Thinvent® Industrial PC IPC3 is your reliable, high-performance solution for critical industrial applications.



## 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
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

