



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Ubuntu Linux

## Quad DB9 Serial

SKU: IPC3-I3\_12-16-M512-12\_5-X-U-4S



Unyielding Power, Unmatched Reliability: The Heart of Your Industrial Operations.

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 is a rugged, fanless workhorse, 100% designed in India. Built for unwavering 24x7 operation, it's the definitive solution for critical industrial and IoT applications requiring robust performance and extensive connectivity.

### Unleash Performance

- Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache) for superior processing power.
- 16GB DDR4 RAM to handle intensive multitasking with ease.
- 256GB SSD ensures lightning-fast boot-ups and data access.

### Extensive Connectivity for Industrial Demands

- 6 DB9 male RS232 serial ports for unparalleled legacy device and peripheral integration.
- 2x USB 3.2 and 6x USB 2.0 (4 front) for comprehensive device support.
- HDMI and VGA outputs for dual display setups.

- Gigabit Ethernet for high-speed network communication.

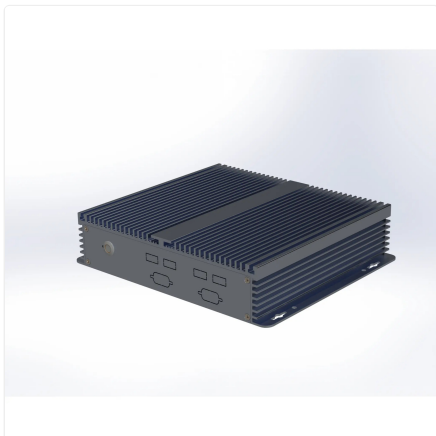
### Rugged Design & Durability

- Fanless operation ensures silence, reliability, and reduced maintenance in harsh conditions.
- Robust anodised silver aluminium housing provides exceptional durability and heat dissipation.
- Designed for extreme operating temperatures from 0°C to 50°C and 20% to 80% RH non-condensing.
- Compact dimensions (200mm x 184mm x 52mm) for versatile deployment.

### Ready for Deployment

- Pre-installed with Ubuntu Linux 24.04 LTS for a secure, stable, and flexible platform.
- RoHS and ISO certified, meeting stringent quality and environmental standards.

Power your industrial future with the Thinvent® IPC3 – where performance meets unyielding resilience.



## 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	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
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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	Ubuntu Linux 24.04 LTS
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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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