



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Ubuntu Linux

## Quad DB9 Serial



SKU: IPC3-I3\_12-8-M1024-12\_5-M-U-4S

Unleash Industrial Strength: Performance, Durability, Connectivity.

Introducing the Thinvent® Industrial PC IPC3, meticulously 100% designed in India for the most demanding environments. This rugged, fanless solution ensures reliable 24x7 operation, making it ideal for critical industrial and IoT applications where resilience is paramount.

### Unrivalled Performance

Powered by an Intel® Core™ i3-1215U processor, featuring 6 cores, a blazing 4.4 GHz max frequency, and a 10 MB cache, the IPC3 delivers exceptional speed and multitasking capability. Paired with 4GB DDR4 RAM and a rapid 256GB SSD, your applications run smoothly and data is accessed instantly.

### Robust Connectivity

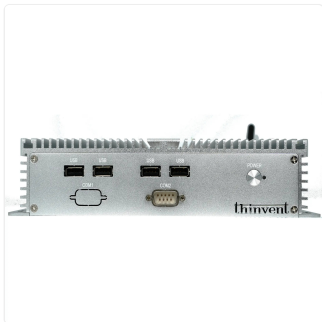
Stay connected with a comprehensive suite of ports designed for industrial integration and modern peripherals.

- Six DB9 male RS232 serial ports for legacy equipment
- Dual-band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for versatile networking

- Eight USB ports: two USB 3.2 and six USB 2.0 (four conveniently located on the front)
- Dual display outputs: one HDMI and one VGA
- Speaker Out and Mic In for audio needs

### Built for Extremes

Engineered for harsh conditions, its fanless design eliminates moving parts, reducing maintenance and ensuring silent operation. The durable aluminium housing with an anodised silver finish protects internal components, while accommodating a wide 0°C to 50°C operating temperature and 20% ~ 80% RH non-condensing humidity. Powered by a flexible 100~275V AC input, the IPC3 is certified with RoHS and ISO standards. Pre-installed with Ubuntu Linux 24.04 LTS, it offers a stable and secure open-source platform. Compact at 200mm × 184mm × 52mm, it integrates seamlessly into any setup.



## 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	8 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
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	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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