



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 4GB DDR4 RAM

## 1TB SSD

## Dual Band WiFi

## Without OS

## Quad DB9 Serial



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

Unleash Uninterrupted Performance in Any Environment: The Thinvent® IPC3 Industrial PC.

Engineered for the toughest challenges, the Thinvent® IPC3 is your robust solution for demanding industrial and IoT applications. Built for 24x7 operation in harsh conditions, this fanless, rugged PC delivers unwavering reliability.

### Key Performance Pillars

- Processor: Experience seamless multitasking with the Intel® Core™ i3-1215U processor, featuring 6 cores up to 4.4 GHz and a 10 MB cache.
- Memory & Storage: Swift responsiveness is guaranteed with 4GB DDR4 RAM and a rapid 128GB SSD.

### Connectivity Excellence

- Visuals: Versatile display options with 1 HDMI and 1 VGA port.
- Audio: Integrated Speaker Out and Mic In for clear audio.
- Ports: Ample connectivity with 2 USB 3.2, 2 USB 2.0, and 4 front-facing USB 2.0 ports.
- Serial Communication: Extensive serial interface with 6 DB9 male RS232 ports for legacy device integration.

- Networking: Reliable wired 1000 Mbps Ethernet and high-speed Dual Band Wi-Fi 5 (802.11ac).

### Designed for Durability

- Power: Efficient 12V 7A adapter, with broad AC input compatibility.
- Environmental Resilience: Operates flawlessly between 0°C and 50°C with 20% ~ 80% RH humidity tolerance.
- Construction: A durable, anodised silver aluminium housing protects internal components.
- Dimensions: Compact at 200mm × 184mm × 52mm.

### Certified Quality

- Certifications: RoHS and ISO certified for peace of mind.

### Flexibility for Your Needs

- Operating System: Delivered Without OS, allowing you to deploy your preferred software.

Proudly 100% designed in India.



## 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	4 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	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

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