



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Ubuntu Linux



SKU: IPC3-I3\_12-16-M128-12\_5-M-U-0

## Unyielding Power for Unforgiving Environments

The Thinvent® Industrial PC IPC3 is engineered for relentless performance where reliability is paramount. This 100% designed in India fanless system thrives in harsh industrial and IoT landscapes, guaranteeing 24x7 operation without compromise.

### Unmatched Performance and Reliability

- Processor Power: Driven by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache for rapid data processing.
- Memory and Storage: Experience lightning-fast multitasking and ample space with 32GB DDR4 RAM and a responsive 512GB SSD.
- Operating System: Pre-installed with Ubuntu Linux 24.04 LTS, providing a stable, secure, and open-source foundation for your critical applications.

### Built for Extremes

- Rugged Design: Housed in a compact (200mm × 184mm × 52mm) anodised silver aluminium casing, it's built to resist corrosion and withstand demanding conditions.

- Fanless Operation: Ensures silent performance and reduces maintenance in dusty or challenging environments, operating reliably from 0°C to 50°C at 20% ~ 80% RH.
- Quality Assured: Certified with RoHS and ISO standards, affirming its commitment to quality and environmental responsibility.

### Seamless Connectivity

- Comprehensive I/O: Connect effortlessly with 1x HDMI, 1x VGA, 2x USB 3.2, 6x USB 2.0 (4 conveniently located on the front), Speaker Out, and Mic In.
- High-Speed Networking: Features Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust and flexible network integration.
- Adaptable Power: Includes a 12V 7A adapter with a 2-metre cable, accepting a wide 100~275 Volts AC input for global compatibility.

Empower your industrial and IoT solutions with the Thinvent® IPC3 – where cutting-edge performance meets unyielding durability.



## 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	128 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	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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