



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 32GB DDR4 RAM

## 128GB SSD

## No WiFi

## Ubuntu Linux

## Quad DB9 Serial

SKU: IPC3-I3\_13-32-M128-12\_5-X-U-4S



Thinvent® IPC3: Indian Engineering for Uncompromising Industrial Performance.

Experience unparalleled durability and robust computing with the Thinvent® Industrial PC IPC3. Engineered for the most demanding environments, this fanless, rugged workhorse delivers 24x7 reliability for industrial automation and IoT applications. Proudly 100% designed in India, its anodised silver aluminium housing ensures long-lasting operation in temperatures from 0°C to 50°C.

### Core Performance

- Power your critical operations with an Intel® Core™ i3-1315U processor featuring 6 cores, clocking up to 4.5 GHz, and a 10 MB cache for swift data processing.
- Seamless multitasking is guaranteed with 8GB DDR4 RAM.
- Enjoy rapid boot-ups and ample space for essential software on a 256GB SSD.

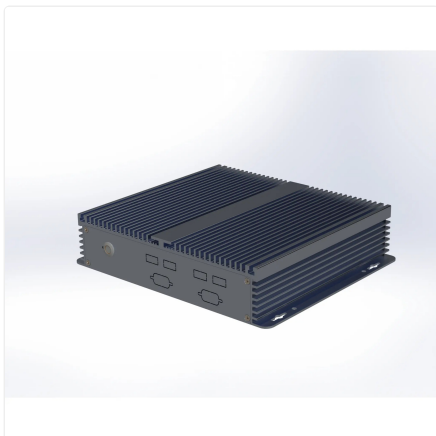
### Industrial Connectivity

- Extensive legacy support with 6 DB9 male RS232 serial ports.

- Versatile peripheral connection via 2 USB 3.2 and 6 USB 2.0 ports (4 front).
- Dual display output options with 1 HDMI and 1 VGA.
- Reliable network access with 1000 Mbps Ethernet (no WiFi for enhanced stability).
- Integrated audio with speaker out and mic in.

### Designed for Toughness

- Fanless operation eliminates dust ingress and moving parts, maximizing uptime.
- Compact dimensions (200mm x 184mm x 52mm) allow for easy integration.
- Powered by a stable 12V 7A DC adapter with a 2-metre cable, accepting 100~275V AC input.
- Ships with Ubuntu Linux 24.04 LTS, offering a secure and flexible open-source platform.
- RoHS and ISO certified for quality and environmental compliance.



## Specifications

### PROCESSING

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Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 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
Rear Serial Port	4 DB9 male RS232

### 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	2.38kg, 2.80kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

PRODUCT CODE	
<b>IPC3-i3_13-[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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