



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

## 16GB DDR4 RAM

## 1TB SSD

## No WiFi

## DOS

## Quad DB9 Serial

SKU: IPC3-I3\_13-16-M1024-12\_5-X-DOS-4S



Built Tough, Designed Smart: Your 24/7 Industrial Powerhouse.

Introducing the Thinvent® Industrial PC IPC3, a robust and fanless computing solution engineered for the most demanding environments. 100% designed and made in India, this IPC is your reliable partner for industrial automation, IoT deployments, and mission-critical applications requiring continuous 24x7 operation.

### Unmatched Performance and Reliability

- Power through complex tasks with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blazing 4.5 GHz max frequency with 10 MB cache.
- Experience seamless multitasking and data processing with a massive 64GB DDR4 RAM.
- Benefit from lightning-fast boot-ups and application loading with the durable 512GB SSD, ensuring peak performance without moving parts.

### Optimized for Industrial Connectivity

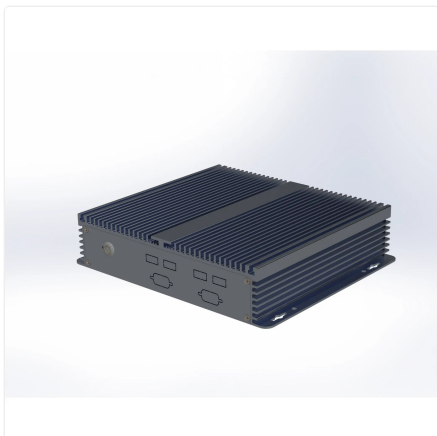
- Connect effortlessly to legacy and modern equipment with an impressive six DB9 male RS232 serial ports.

- Integrate displays via HDMI and VGA, and utilize a versatile array of USB 3.2 and USB 2.0 ports for peripherals.
- Secure network access is provided by a reliable 1000 Mbps Ethernet connection, perfectly suited for controlled industrial settings.

### Rugged Design for Harsh Conditions

- Operate confidently in extreme temperatures from 0°C to 50°C and humidity up to 80% RH.
- The sleek, silver anodised aluminium housing offers superior protection, heat dissipation, and a compact 200mm x 184mm x 52mm footprint.
- Built for longevity, its fanless design eliminates dust ingress and moving parts failures, ensuring a silent, maintenance-free operation.

The Thinvent® IPC3 comes with FreeDOS, allowing you full control to deploy your preferred industrial operating system. Choose the IPC3 for uncompromising reliability and performance where it matters most.



## 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	16 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

### 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	FreeDOS
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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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