



# Thinvent Industrial PC IPC5

## Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC5-I5\_13-16-M512-12\_5-X-DOS-4S



Unlock Unrivaled Power and Reliability for Your Industrial Frontier.

Introducing the Thinvent® Industrial PC IPC5: a meticulously engineered, 100% Designed in India solution delivering cutting-edge performance and uncompromising ruggedness for the most demanding industrial environments. This fanless powerhouse is purpose-built for advanced industrial automation, high-speed machine vision, and robust edge computing.

### Exceptional Performance

- Harness the formidable power of the Intel® Core™ i5-1335U processor, featuring 10 cores with speeds up to 4.6 GHz and a generous 12 MB cache, ensuring seamless execution of complex applications.
- Experience rapid data processing and system responsiveness with 4GB DDR4 RAM and a lightning-fast 512GB SSD.

### Unmatched Connectivity & Durability

- Integrate effortlessly with legacy and modern industrial peripherals thanks to an industry-leading 6 DB9 male RS232 serial ports, alongside 2 USB 3.2 and 2 USB 2.0 ports.

- Drive dual displays with HDMI and VGA outputs, and enjoy crystal-clear audio via dedicated speaker out and mic in.
- Rely on gigabit Ethernet for high-speed network communication.
- Engineered for resilience, its fanless design and robust dark grey anodised aluminium housing ensure reliable operation in challenging conditions, from 0°C to 50°C and 20% to 80% non-condensing humidity.
- Power stability is guaranteed with a wide input range (100~275V AC) and a secure 12V 7A DC adapter.
- Compact dimensions (197mm × 210mm × 65mm) allow for flexible deployment in confined spaces.

### Ready for Your Solution

- Shipped with FreeDOS, the IPC5 offers complete flexibility to install your preferred industrial operating system.
- Certified with RoHS and ISO standards, assuring quality and environmental compliance.

The Thinvent IPC5 is where raw power meets unwavering reliability. Elevate your industrial operations.



## Specifications

### PROCESSING

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Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1
Front Speaker Out	1
Front 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	197mm × 210mm × 65mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.72kg, 3.14kg

### OPERATING SYSTEM

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Operating System	FreeDOS
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## Ordering Information

PRODUCT CODE	
<b>IPC5-i5_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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