



# Thinvent Industrial PC IPC3

**Intel Core i3-1215U processor**

6 core, up to 4.4 GHz, 10 MB cache

**Dual LAN**

**64GB DDR4 RAM**

**1TB SSD**

**Dual Band WiFi**

**Windows 11 IoT Value**

**Quad DB9 Serial**



SKU: IPC3-I3\_12L-64-M1024-12\_7-M-11V-4S

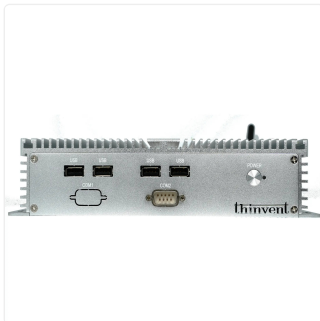
Engineered for the relentless rhythm of industry.

Built to thrive where others falter, the Thinvent IPC3 is your steadfast digital core for the most demanding environments. Its silent, fanless design shrugs off dust and vibration, delivering unwavering reliability for 24/7 operation without a whisper of disruption.

### Why this is your essential industrial partner

- **\*\*Unshakeable reliability in harsh conditions:\*\*** Crafted with a rugged aluminium chassis and passive cooling, it operates flawlessly from the factory floor to the outdoor edge, immune to particulate contamination.
- **\*\*Seamless connectivity for legacy and modern systems:\*\*** With dual Gigabit LAN and four legacy serial ports, it effortlessly bridges the gap between new equipment and crucial existing machinery.

- **\*\*Always-on performance for critical tasks:\*\*** Robust processing power handles multiple data streams and control functions simultaneously, ensuring smooth, continuous operation for automation, monitoring, and IoT gateways.
  - **\*\*Proudly conceived and designed in India:\*\*** Built with a deep understanding of local industrial challenges, offering a robust solution tailored for demanding applications.
- Deploy the IPC3 with total confidence. It's the durable, connected, and intelligent foundation for your next industrial innovation.



## 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	64 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
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
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### POWER

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DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	2.55kg, 2.97kg

### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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## Ordering Information

PRODUCT CODE	
<b>IPC3-i3_12l-[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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