



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## Dual LAN

## 32GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Windows 11 IoT Value



SKU: IPC3-I3\_12L-32-M256-12\_5-M-11V-0

### Engineered for the Unforgiving: The Thinvent IPC3 Industrial PC.

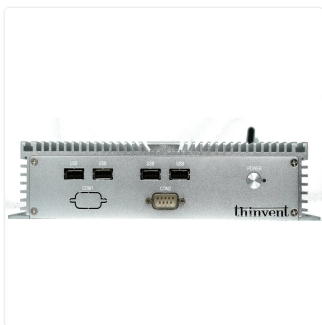
Built to thrive where others fail, this robust, fanless system is your steadfast partner in demanding industrial and IoT landscapes. From factory floors to smart kiosks, it delivers unwavering reliability for 24/7 operation without a whisper of noise.

#### Why choose the IPC3

- Conquer harsh conditions with a rugged, anodised aluminium chassis that dissipates heat silently and withstands dust, vibration, and extreme temperatures.
- Experience seamless connectivity and control with versatile I/O ports and dual-band Wi-Fi, enabling effortless integration into existing networks and machinery.

- Deploy with absolute confidence, backed by a robust, 100% India-designed platform built for relentless, around-the-clock performance.
- Gain a future-proof edge with the efficient power of a modern processor architecture, ensuring smooth operation for critical monitoring, automation, and data acquisition tasks.
- Simplify your setup with a compact, ready-to-run solution that arrives with Windows 11 IoT, minimising downtime and getting your application live faster.

Dependable, connected, and designed for endurance: the IPC3 is the resilient computing core your industrial projects demand.



## 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     | 32 GB   |
| SSD Storage     | 256 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 |
| 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   | 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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<br><b>64</b> = 64GB DDR4                                                                 |
| SSD                                                               | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><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<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><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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