



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

**32GB DDR4 RAM (2 x 16GB)**

**128GB SSD**

**No WiFi**

**Windows 11 IoT Value**

SKU: IPC3-I3\_12-16\_16-M128-12\_5-X-11V-0



Unleash Unrivalled Performance in the Toughest Environments.

Introducing the Thinvent® Industrial PC IPC3, your robust and reliable solution for demanding industrial and IoT applications. Engineered and 100% designed in India, this fanless, rugged workhorse is built for continuous 24x7 operation in harsh conditions, ensuring stability where conventional PCs fail. Its sleek silver anodised aluminium housing provides exceptional durability and a professional finish, designed to resist environmental wear.

### Unmatched Performance and Reliability

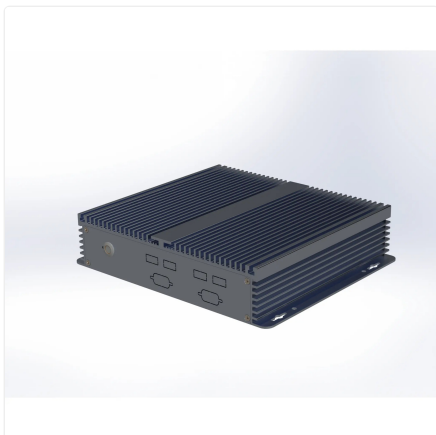
- At its core is the powerful Intel® Core™ i3-1215U processor, featuring 6 efficient cores and a blistering boost frequency of up to 4.4 GHz, backed by a generous 10 MB cache, delivering seamless multi-tasking and rapid data processing.
- With 32GB DDR4 RAM, the IPC3 handles intensive applications with ease, while the responsive 128GB SSD ensures quick boot times and swift access to critical data.

### Comprehensive Connectivity for Industrial Needs

- Equipped with a rich array of I/O, including 1x HDMI and 1x VGA for dual display support, dedicated Speaker Out and Mic In ports, and a total of 8x USB ports (2x USB 3.2, 6x USB 2.0), the IPC3 seamlessly integrates with your existing peripherals.
- Gigabit Ethernet ensures high-speed, stable network communication for critical data exchange.

### Designed for the Extremes

- Operate confidently in temperatures from 0°C to 50°C and humidity levels from 20% to 80% RH, non-condensing. The wide-range 100~275V AC power input with a 12V 7A DC adapter and 2-metre cable provides flexible power options.
- Certified with RoHS and ISO standards, this IPC guarantees quality and compliance. Its compact 200mm x 184mm x 52mm dimensions make it ideal for space-constrained installations.
- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and security for your mission-critical applications.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| 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     | 128 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.2           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 4                |
| Front Serial Port | 2 DB9 male RS232 |
| RS485 Option      | 1                |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| 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

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 50°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | RoHS, ISO                    |

### PHYSICAL

|                      |                         |
|----------------------|-------------------------|
| 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

|                  |                                                        |
|------------------|--------------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT<br>Enterprise LTSC 2024 Value |
|------------------|--------------------------------------------------------|

## Ordering Information

### PRODUCT CODE

**IPC3-i3\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                         |                                         |                                      |                       |
|-------------|-----------------------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                     |                                         | <b>m256</b> = 256GB                  |                       |
|             | <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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