



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

2TB SSD

No WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC3-I3\_13-32\_32-M2048-12\_7-X-11P-4S



Thinvent® Industrial PC IPC3: Unyielding Power, Unrivalled Reliability for Industry.

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 is a rugged, fanless powerhouse designed for 24x7 operation in industrial and IoT applications. 100% designed in India, this IPC combines cutting-edge performance with extreme durability.

### Performance That Drives Industry

Powered by an Intel® Core™ i3-1315U processor with 6 cores boosting up to 4.5 GHz and a 10 MB cache, coupled with a generous 16GB DDR4 RAM and a lightning-fast 1TB SSD, the IPC3 delivers exceptional speed and responsiveness for critical industrial software and extensive data processing. Running on Microsoft Windows 11 Pro, it offers enterprise-grade security and modern functionality.

### Robust Connectivity & Design

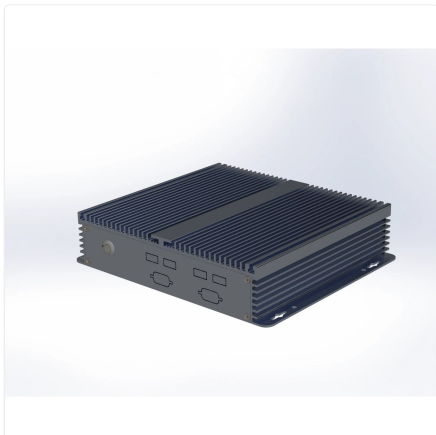
Its fanless architecture eliminates moving parts, ensuring silent operation, resistance to dust, and an extended lifespan in harsh conditions from 0°C to 50°C with 20% ~ 80% RH non-condensing. Connectivity is expansive, featuring

- 6 DB9 male RS232 serial ports for seamless integration with legacy industrial equipment
- 2 high-speed USB 3.2 ports and 6 versatile USB 2.0 ports (including 4 convenient front-facing)
- HDMI and VGA outputs for flexible dual display setups
- Integrated Speaker Out and Mic In for audio interaction
- Gigabit Ethernet for reliable, high-speed network communication.

The compact 200mm × 184mm × 52mm anodised silver aluminium housing is not only elegant but built to endure, safeguarding internal components with RoHS and ISO certifications.

### Ready for Anything

With a flexible 100~275V AC power input and stable 12V 7A DC output, the IPC3 is tailored for diverse power environments, offering steadfast performance where it matters most. Experience the pinnacle of industrial computing, engineered for resilience and innovation.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 2048 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 |
| Rear Serial Port  | 4 DB9 male RS232 |

### NETWORKING

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

### POWER

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

|                       |                              |
|-----------------------|------------------------------|
| 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 | 2.48kg, 2.90kg          |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

### PRODUCT CODE

**IPC3-i3\_13-[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<br>DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB<br>DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4<br>RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                        |                                            | <b>m256</b> = 256GB                     |                       |
|             | <b>m512</b> = 512GB                        |                                            | <b>m1024</b> = 1TB                      |                       |
|             | <b>m2048</b> = 2TB                         |                                            |                                         |                       |
| 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>110</b> = Windows 11 Professional       |                                            | <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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