



# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

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

**512GB SSD**

**No WiFi**

**Windows 11 IoT Value**

SKU: IPC3-I3\_13-16\_16-M512-12\_7-X-11V-0



Conquer Any Challenge: Unyielding Performance with Thinvent® IPC3.

### Introduction

Experience peak reliability and performance in the most demanding environments with the Thinvent® Industrial PC IPC3. Engineered for rugged 24x7 operation, this fanless powerhouse thrives where standard PCs fail, perfect for industrial and IoT applications. Proudly 100% designed in India.

### Performance That Drives Industry

- Intel® Core™ i3-1315U processor (6 cores, up to 4.5 GHz, 10 MB cache) delivers robust computing power
- 64GB DDR4 RAM ensures extensive multitasking and data handling capability
- 256GB SSD provides lightning-fast boots and rapid data access for critical operations

### Connectivity & Integration

- Versatile display options with 1 HDMI and 1 VGA port
- Comprehensive audio support via 1 Speaker Out and 1 Mic In
- Ample USB connectivity: 2x USB 3.2, 2x USB 2.0 (rear), and 4x front USB 2.0 ports

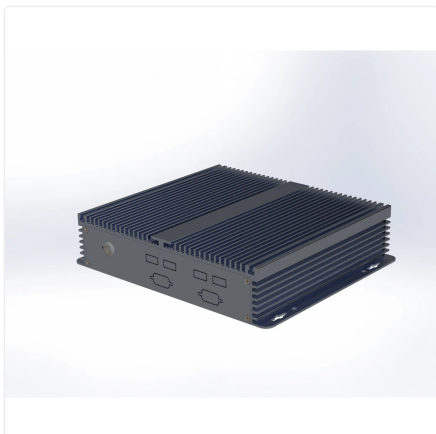
- Reliable network integration through a 1000 Mbps Ethernet port

### Rugged Durability & Design

- Fanless operation ensures silent, dust-free reliability in harsh industrial settings
- Compact dimensions of 200mm × 184mm × 52mm for easy integration into limited spaces
- Durable silver anodised aluminum housing provides superior protection and efficient heat dissipation
- Wide operating temperature range from 0°C ~ 50°C
- Tolerant operating humidity: 20% ~ 80% RH, non condensing, ideal for diverse environments
- Flexible power input: 100~275 Volts AC, 50~60 Hz, with a robust 12V 7A adapter and 2-metre cable

### Operating System & Compliance

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value for secure and specialized industrial applications
- Certified for peace of mind with RoHS and ISO compliance



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 13th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1315U   |
| Cores           | 6       |
| Max Frequency   | 4.5 GHz |
| Cache           | 10 MB   |
| Main Memory     | 32 GB   |
| SSD Storage     | 512 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 |

### 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 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## 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 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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