



# 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)**

**512GB SSD**

**No WiFi**

**Ubuntu Linux**

**Quad DB9 Serial**

SKU: IPC3-I3\_12-16\_16-M512-12\_5-X-U-4S



**Unyielding Power, Unmatched Reliability: The Heart of Your Industrial Operations.**

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 is a rugged, fanless workhorse, 100% designed in India. Built for unwavering 24x7 operation, it's the definitive solution for critical industrial and IoT applications requiring robust performance and extensive connectivity.

### Unleash Performance

- Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache) for superior processing power.
- 16GB DDR4 RAM to handle intensive multitasking with ease.
- 256GB SSD ensures lightning-fast boot-ups and data access.

### Extensive Connectivity for Industrial Demands

- 6 DB9 male RS232 serial ports for unparalleled legacy device and peripheral integration.
- 2x USB 3.2 and 6x USB 2.0 (4 front) for comprehensive device support.
- HDMI and VGA outputs for dual display setups.

- Gigabit Ethernet for high-speed network communication.

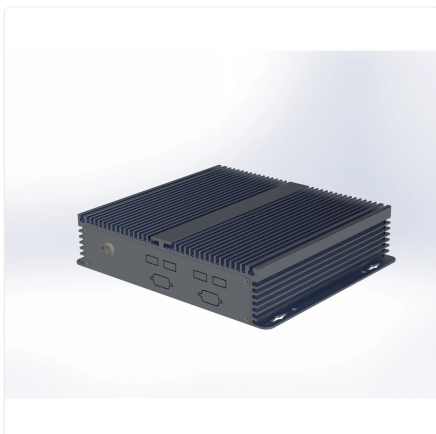
### Rugged Design & Durability

- Fanless operation ensures silence, reliability, and reduced maintenance in harsh conditions.
- Robust anodised silver aluminium housing provides exceptional durability and heat dissipation.
- Designed for extreme operating temperatures from 0°C to 50°C and 20% to 80% RH non-condensing.
- Compact dimensions (200mm × 184mm × 52mm) for versatile deployment.

### Ready for Deployment

- Pre-installed with Ubuntu Linux 24.04 LTS for a secure, stable, and flexible platform.
- RoHS and ISO certified, meeting stringent quality and environmental standards.

Power your industrial future with the Thinvent® IPC3 – where performance meets unyielding resilience.



# Thinvent Industrial PC IPC3



## 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     | 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 |
| Rear Serial Port  | 4 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## 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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