



# 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**

**Without OS**

**Quad DB9 Serial**

SKU: IPC3-I3\_13-16\_16-M512-12\_5-X-W\_OS-4S



Thinvent® Industrial PC IPC3: Powering Your Progress, Engineered for Extremes.

The Thinvent® Industrial PC IPC3 is a robust, fanless powerhouse meticulously engineered for the most demanding industrial and IoT environments. Experience unwavering performance with 24x7 operational reliability, even in harsh conditions. Proudly 100% designed in India, this durable solution sets a new standard for industrial computing.

### Performance

At its core, the IPC3 boasts an Intel® Core™ i3-1315U processor with 6 cores and turbo speeds up to 4.5 GHz, backed by a generous 10 MB cache. This ensures rapid data processing and seamless multitasking for critical applications. Paired with 16GB DDR4 RAM and a lightning-fast 256GB SSD, expect instant responsiveness and efficient operation across your demanding workloads.

### Connectivity and Versatility

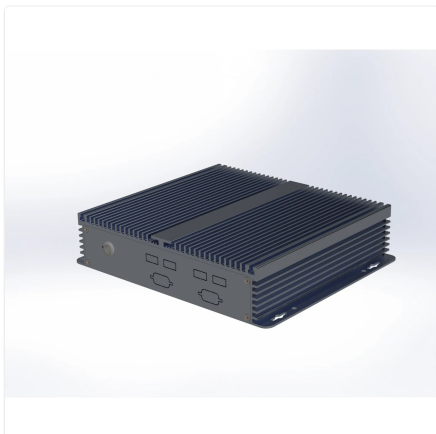
**This industrial workhorse is built for extensive integration, offering comprehensive I/O**

- Six DB9 male RS232 serial ports for unparalleled peripheral and legacy device connectivity

- Two USB 3.2 and two USB 2.0 ports, plus four convenient front USB 2.0 ports for accessibility
- HDMI and VGA outputs for versatile dual-display flexibility
- Gigabyte Ethernet (1000 Mbps) for robust and reliable network communication
- Speaker Out and Mic In for comprehensive audio capabilities

### Designed for Durability

The IPC3 features a rugged, fanless anodised aluminium housing in a sleek silver finish, providing superior dust and debris resistance while ensuring silent operation. It's built to withstand challenging industrial conditions, operating flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity. Its compact 200mm x 184mm x 52mm form factor integrates seamlessly into any setup. Shipped without an OS and WiFi, offering you complete control over your software and networking solutions. RoHS and ISO certified for quality you can trust.



## 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 |
| Rear Serial Port  | 4 DB9 male RS232 |

### 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 | 2.38kg, 2.80kg          |

### OPERATING SYSTEM

|                  |            |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

## Ordering Information

| PRODUCT CODE                                              |                                  |                                  |                               |                |
|-----------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------|
| IPC3-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                  |                                  |                               |                |
| RAM                                                       | 4 = 4GB DDR4                     | 8 = 8GB DDR4                     | 16 = 16GB DDR4                | 32 = 32GB DDR4 |
|                                                           | 32_32 = 64GB DDR4 RAM (2 x 32GB) | 16_16 = 32GB DDR4 RAM (2 x 16GB) | 8_8 = 16GB DDR4 RAM (2 x 8GB) |                |
| SSD                                                       | m128 = 128GB                     |                                  | m256 = 256GB                  |                |
|                                                           | m512 = 512GB                     |                                  | m1024 = 1TB                   |                |
| Wireless                                                  | m = Dual Band WiFi               |                                  | X = No WiFi                   |                |
| OS                                                        | DOS = DOS                        |                                  | W_OS = Without OS             |                |
|                                                           | 11V = Windows 11 IoT Value       |                                  | 11P = Windows 11 Pro          |                |
|                                                           | Thinix = Thinix™ Embedded Linux  |                                  | U = Ubuntu Linux              |                |
| Accessories                                               | 0 = None                         |                                  | 4S = Quad DB9 Serial          |                |

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