# Thinvent Industrial PC IPC3

## Intel Core i3-1315U processor

### 6 core, up to 4.5 GHz, 10 MB cache

## 8GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Without OS

## Quad DB9 Serial

SKU: IPC3-I3_13-8-M128-12_5-M-W_OS-4S

Unleash Uncompromising Performance: Built for the Toughest Industrial Demands.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC3. Engineered for relentless 24x7 operation in harsh environments, this rugged, fanless powerhouse is 100% designed in India, embodying innovation and durability. Its anodised silver aluminium housing ensures silent, reliable performance where other PCs fail.

**Exceptional Performance**

- Driven by an Intel® Core™ i3-1315U processor with 6 cores and up to 4.5 GHz, delivering rapid data processing and seamless multitasking.
- 16GB DDR4 RAM ensures smooth operation of demanding applications.
- A 128GB SSD provides lightning-fast boot times and quick access to critical data.

**Unrivalled Connectivity**

- Six DB9 male RS232 serial ports are indispensable for integrating legacy industrial equipment.
- Dual display outputs (1x HDMI, 1x VGA) enhance operational flexibility.
- Abundant USB connectivity: 2x USB 3.2, 2x USB 2.0, plus 4 additional front USB 2.0 for easy access.
- Reliable networking with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible deployment.
- Audio support includes Speaker Out and Mic In.

**Built for Endurance**

- Fanless design ensures silent operation and superior dust resistance.
- Operates flawlessly in temperatures from 0°C to 50°C.
- Tolerates 20% to 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter with wide 100~275V AC input.
- Compact dimensions (200mm × 184mm × 52mm) allow for versatile installation.
- RoHS and ISO certified for quality and compliance.

**Ultimate Flexibility**

- Ships without an operating system, allowing you to deploy your preferred OS and custom applications with ease.

The Thinvent® IPC3 is the robust, high-performance solution your industrial and IoT applications demand.

# Thinvent Industrial PC IPC3

## Specifications

### PROCESSING

| | |
|---|---|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 8 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 |
| Rear Serial Port | 4 DB9 male RS232 |

### NETWORKING

| | |
|---|---|
| Ethernet | 1000 Mbps |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 |

# Thinvent Industrial PC IPC3

## 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 |
| | **64** = 64GB DDR4 | | | |
| SSD | **m128** = 128GB | | **m256** = 256GB | |
| | **m32** = 32GB | | **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 | |
| | **Thinux** = Thinux™ Embedded Linux | | **U** = Ubuntu Linux | |
| Accessories | **0** = None | | **4S** = Quad DB9 Serial | |


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