



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 16GB DDR4 RAM (2 x 8GB)

## 512GB SSD

## Dual Band WiFi

## Without OS

## Quad DB9 Serial



SKU: IPC3-I3\_12-8\_8-M512-12\_5-M-W\_OS-4S

Unleash Uninterrupted Performance in Any Environment: The Thinvent® IPC3 Industrial PC.

Engineered for the toughest challenges, the Thinvent® IPC3 is your robust solution for demanding industrial and IoT applications. Built for 24x7 operation in harsh conditions, this fanless, rugged PC delivers unwavering reliability.

### Key Performance Pillars

- Processor: Experience seamless multitasking with the Intel® Core™ i3-1215U processor, featuring 6 cores up to 4.4 GHz and a 10 MB cache.
- Memory & Storage: Swift responsiveness is guaranteed with 4GB DDR4 RAM and a rapid 128GB SSD.

### Connectivity Excellence

- Visuals: Versatile display options with 1 HDMI and 1 VGA port.
- Audio: Integrated Speaker Out and Mic In for clear audio.
- Ports: Ample connectivity with 2 USB 3.2, 2 USB 2.0, and 4 front-facing USB 2.0 ports.
- Serial Communication: Extensive serial interface with 6 DB9 male RS232 ports for legacy device integration.

- Networking: Reliable wired 1000 Mbps Ethernet and high-speed Dual Band Wi-Fi 5 (802.11ac).

### Designed for Durability

- Power: Efficient 12V 7A adapter, with broad AC input compatibility.
- Environmental Resilience: Operates flawlessly between 0°C and 50°C with 20% ~ 80% RH humidity tolerance.
- Construction: A durable, anodised silver aluminium housing protects internal components.
- Dimensions: Compact at 200mm × 184mm × 52mm.

### Certified Quality

- Certifications: RoHS and ISO certified for peace of mind.

### Flexibility for Your Needs

- Operating System: Delivered Without OS, allowing you to deploy your preferred software.

Proudly 100% designed in India.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 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                     |
| 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 | 2.45kg, 2.87kg          |

### OPERATING SYSTEM

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

## 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<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                      |                       |
| 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>Thinix</b> = Thinix™ Embedded Linux     |                                            | <b>U</b> = Ubuntu Linux                 |                       |
| Accessories | <b>0</b> = None                            |                                            | <b>4S</b> = Quad DB9 Serial             |                       |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

### R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

### Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

