

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

DOS



SKU: IPC3-I3\_12-16\_16-M128-12\_5-M-DOS-0

Thinvent® Industrial PC IPC3: Unyielding Power, Engineered for the Edge.

Introducing the Thinvent® Industrial PC IPC3, a rugged, fanless computing powerhouse designed for relentless 24x7 operation in the most demanding industrial and IoT environments. Proudly 100% designed in India, this IPC delivers exceptional performance and unmatched reliability where it matters most.

### Core Performance

- Experience blazing-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores, a turbo frequency of up to 4.4 GHz, and a 10 MB cache for efficient handling of complex tasks.
- Multitask seamlessly with 16GB DDR4 RAM, ensuring smooth operation even with resource-intensive applications.
- Benefit from lightning-fast boot times and rapid data access thanks to the spacious 256GB SSD.

### Robust Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.
- Connect to high-speed networks via 1000 Mbps Ethernet.
- Versatile display options with 1 HDMI and 1 VGA port.

- Expand your peripherals with 2 USB 3.2 ports, 2 USB 2.0 ports, and an additional 4 front-facing USB 2.0 ports.
- Integrate audio solutions with dedicated Speaker Out and Mic In jacks.

### Unrivalled Durability and Design

- Built for extremes, its fanless design eliminates moving parts, reducing maintenance and ensuring silent operation from 0°C to 50°C and 20% to 80% RH (non-condensing).
- The compact 200mm × 184mm × 52mm anodised silver aluminium housing provides superior heat dissipation and robust protection, earning RoHS and ISO certifications.
- Powered by a secure 12V 7A adapter with a wide 100~275V AC input range, the IPC3 is ready for diverse power environments.

### Flexible Software

- Comes pre-installed with FreeDOS, offering you the freedom to install your preferred operating system.

The Thinvent® Industrial PC IPC3 is your reliable, high-performance solution for critical industrial applications.



## 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     | 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 |
| 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 | FreeDOS |
|------------------|---------|

## Ordering Information

## PRODUCT CODE

IPC3-i3\_12-[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[www.thinvent.in](http://www.thinvent.in)[sales@thinvent.in](mailto:sales@thinvent.in)

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