



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial



SKU: IPC3-I3_12-32-M1024-12_5-M-11V-4S

Unleash Industrial Power, Anywhere: Introducing the Thinvent® IPC3 Industrial PC.

Built for the Toughest Challenges

Experience unparalleled reliability and performance with the Thinvent® IPC3, a fanless, rugged Industrial PC engineered for 24x7 operation in demanding environments. Designed and manufactured with precision in India, its anodised aluminium housing ensures durability and a sleek, silver finish that complements any industrial setting.

Powerful Processing for Demanding Tasks

Equipped with an Intel® Core™ i3-1215U processor, featuring 6 cores and a turbo boost up to 4.4 GHz with 10 MB cache, the IPC3 handles complex industrial applications with ease. Paired with a massive 64GB DDR4 RAM, multitasking and data-intensive operations are seamless.

Versatile Connectivity for Seamless Integration

The IPC3 boasts extensive connectivity options to integrate flawlessly into your existing infrastructure.

- 1 x HDMI
- 1 x VGA
- 1 x Speaker Out
- 1 x Mic In
- 2 x USB 3.2 ports
- 2 x USB 2.0 ports
- 4 x Front USB 2.0 ports
- 6 x DB9 male RS232 serial ports for legacy device support

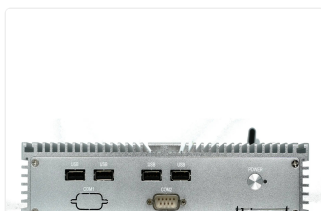
- 1000 Mbps Ethernet for robust network connectivity
- Dual-band Wi-Fi (802.11ac) for flexible wireless integration

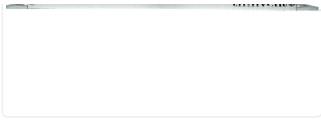
Reliable Operation and Future-Proof OS

Enjoy peace of mind with its robust power supply (12V 7A Adapter) and wide AC input range. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC3 provides a stable and secure platform for your IoT and industrial applications. Its fanless design operates efficiently within a temperature range of 0°C to 50°C and humidity of 20% to 80% RH non-condensing.

Key Specifications

- Processor: Intel® Core™ i3-1215U (6 Core, up to 4.4 GHz, 10 MB Cache)
- Memory: 64GB DDR4 RAM
- Storage: 128GB SSD
- Power: 12V 7A Adapter (100~275 Volts AC input)
- Wireless: Dual Band Wi-Fi 5 (802.11ac)
- Operating System: Windows 11 IoT Enterprise LTSC 2024 Value
- Serial Ports: 6 x DB9 RS232
- Certifications: RoHS, ISO
- Dimensions: 200mm x 184mm x 52mm





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 | 1024 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

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 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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