



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial



SKU: IPC3-I3_13-16-M256-12_5-M-11P-4S

Unleash Uncompromising Power and Reliability in Any Environment.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC3. This rugged, fanless powerhouse is engineered for relentless 24x7 operation in the harshest industrial and IoT environments, proudly 100% designed in India.

Peak Performance Delivered

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz, and a substantial 10 MB cache.
- Multitask effortlessly with 4GB DDR4 RAM.
- Store vast amounts of data and applications on a lightning-fast 1TB SSD.

Built for the Toughest Challenges

- Fanless design ensures silent operation and superior reliability, resisting dust and debris.
- Robust anodised silver aluminium housing provides exceptional durability and a sleek finish.
- Operates flawlessly from 0°C to 50°C, with 20% to 80% non-condensing humidity.

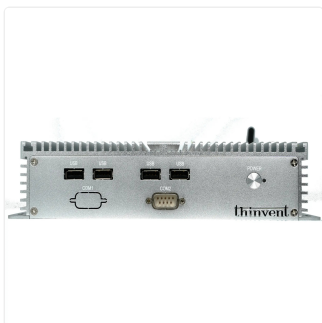
Comprehensive Connectivity

- Integrate seamlessly with existing systems using 6 dedicated DB9 RS232 serial ports.
- Stay connected with Dual Band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port.
- Expand your peripherals with 2x USB 3.2 ports and 6x USB 2.0 ports (2 rear, 4 front-facing), alongside HDMI and VGA outputs.

Ready for Anything

- Pre-installed with Windows 11 Pro for a secure and modern user experience.
- Powered by a robust 12V 7A adapter, capable of handling a wide input voltage range.
- Compact dimensions (200mm x 184mm x 52mm) for easy integration.
- RoHS and ISO certified, ensuring quality and environmental responsibility.

This IPC3 is your go-to solution for robust, high-performance industrial applications.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 16 GB |
| SSD Storage | 256 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 | Microsoft Windows 11 Pro |
|------------------|--------------------------|

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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