



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

DOS

Quad DB9 Serial



SKU: IPC3-I3_13-32-M1024-12_5-M-DOS-4S

Thinvent® IPC3: India's Industrial Powerhouse, Built to Endure.

Introducing the Thinvent® Industrial PC IPC3, an uncompromising fanless solution engineered for the most demanding environments. 100% designed in India, this rugged and durable industrial PC delivers 24x7 reliability for critical industrial and IoT applications. Its sleek, anodised silver aluminium housing ensures exceptional resilience against dust, vibration, and temperature extremes.

Unmatched Performance

Experience blazing-fast performance with the Intel® Core™ i3-1315U processor, featuring 6 cores, clocking up to 4.5 GHz, and a 10 MB cache. Paired with 16GB DDR4 RAM and a rapid 128GB SSD, the IPC3 handles complex tasks and data processing with seamless efficiency, ensuring your operations never miss a beat.

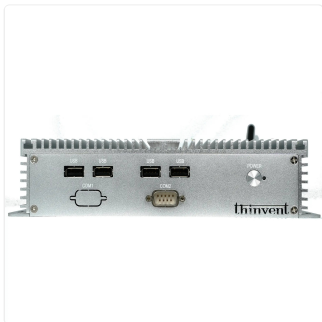
Superior Connectivity

The IPC3 is a connectivity workhorse, offering extensive I/O for diverse industrial needs.

- Six DB9 male RS232 serial ports for legacy systems and specialized peripherals
- Dual-Band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for robust networking
- Multiple USB ports: 2x USB 3.2, 2x USB 2.0, and 4x front USB 2.0 for flexible device integration
- HDMI and VGA outputs for versatile display options
- Speaker Out and Mic In for comprehensive audio support

Engineered for Extremes

Designed for continuous operation from 0°C to 50°C and 20% to 80% non-condensing humidity, this compact (200mm x 184mm x 52mm) industrial PC is RoHS and ISO certified. Powered by a 12V 7A adapter with a wide 100~275V AC input and FreeDOS, the Thinvent® IPC3 is your reliable foundation for any industrial challenge.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 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 |

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 | FreeDOS |
|------------------|---------|

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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