



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

32GB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC3-I3_12-4-M32-12_5-X-W_OS-4S



Thinvent® Industrial PC IPC3: Unyielding Performance, Engineered for Extremes.

Overview

Experience uncompromising reliability with the Thinvent® Industrial PC IPC3, a fanless powerhouse meticulously designed for 24x7 operation in the most demanding industrial and IoT environments. 100% designed in India, its rugged construction and anodised silver aluminium housing ensure exceptional durability and silent, dust-free performance in harsh conditions.

Core Performance

Powering your critical applications is an Intel® Core™ i3-1215U processor

- Features 6 efficient cores with speeds up to 4.4 GHz
- Substantial 10 MB cache for responsive, high-performance computing

Paired with 4GB DDR4 RAM and a lightning-fast 1TB SSD, the IPC3 handles intensive data processing and storage with ease, ensuring swift access and smooth multitasking.

Robust Connectivity

Seamless integration is key. The IPC3 boasts extensive connectivity options vital for industrial automation

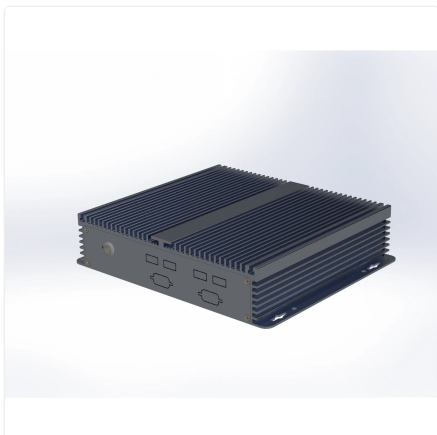
- Six DB9 male RS232 serial ports for broad legacy device compatibility
- Eight versatile USB ports (two USB 3.2, six USB 2.0)
- Dual display outputs via HDMI and VGA
- Robust 1000 Mbps Ethernet port for reliable network communication
- Speaker out and mic in for audio needs

Industrial Design and Durability

Built for resilience, this compact IPC (200mm x 184mm x 52mm) is engineered to thrive

- Wide operating temperature range: 0°C to 50°C
- Operating humidity: 20% to 80% RH, non-condensing
- Housing material: Aluminium with an anodised silver finish
- Certifications: RoHS, ISO for quality and environmental compliance

It comes without an operating system, offering you complete freedom to deploy your preferred industrial OS or specialized software, backed by a robust 12V 7A adapter with versatile AC power input.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 4 GB |
| SSD Storage | 32 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 |
|----------|-----------|

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 | 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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