



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

No WiFi

DOS

SKU: IPC3-I3_12-32-M1024-12_5-X-DOS-0



Thinvent® IPC3: Unyielding Power for Unforgiving Environments.

Experience unparalleled reliability with the Thinvent® Industrial PC IPC3, a robust computing solution 100% designed in India for the most demanding industrial and IoT applications. Engineered for 24x7 operation in harsh environments, this fanless powerhouse delivers consistent performance where it matters most, ensuring your critical operations run smoothly.

Performance That Drives Industry

- Powered by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache, the IPC3 provides exceptional processing capability for complex tasks.
- 8GB DDR4 RAM ensures seamless multitasking, while the 128GB SSD offers lightning-fast boot times, rapid data access, and enhanced durability with no moving parts.

Built for the Toughest Conditions

- Its compact 200mm x 184mm x 52mm dimensions, coupled with a durable, anodised silver aluminium housing, ensure superior heat dissipation and protection against industrial wear and tear.

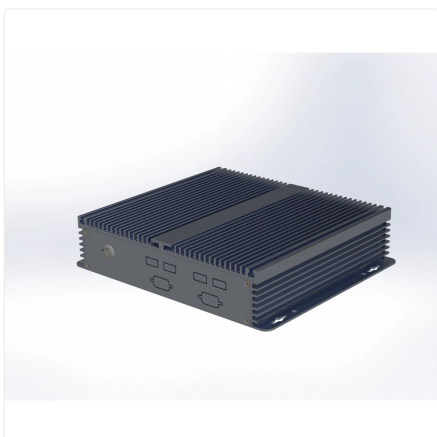
- Operating flawlessly from 0°C to 50°C and handling 20-80% non-condensing humidity, the IPC3 is a true workhorse.
- The fanless design guarantees silent operation and significantly reduces maintenance, critical for sensitive industrial settings.

Seamless Integration

- Extensive connectivity includes 1 HDMI, 1 VGA, multiple USB 3.2 and 2.0 ports (including 4 front-facing for easy access), and gigabit Ethernet, allowing versatile integration with existing systems and peripherals.
- Shipped with FreeDOS, it provides a lean, secure foundation, ready for your specific industrial software or operating system.

Certified for Excellence

- RoHS and ISO certifications underscore its commitment to quality, environmental standards, and reliable performance.



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 |
| 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 | 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 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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