



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

No WiFi

DOS

SKU: IPC3-I3_13-32-M1024-12_5-X-DOS-0



Unleash relentless performance in the toughest environments.

Introducing the Thinvent® Industrial PC IPC3: your ultimate solution for demanding industrial and IoT applications, engineered for unwavering 24x7 operation. 100% designed in India, this rugged, fanless PC delivers exceptional power and reliability where it matters most.

Unmatched Performance

- Experience blazing speed with the Intel® Core™ i3-1315U processor, boasting 6 cores and a turbo frequency of up to 4.5 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly and handle data-intensive tasks with a massive 64GB DDR4 RAM.
- Enjoy lightning-fast boot times and application loading from the 256GB SSD.

Robust Design and Durability

- Designed for harsh conditions, this fanless IPC operates silently and reliably across temperatures from 0°C to 50°C.
- Its anodised silver aluminium housing provides superior thermal management and protection against dust and vibration.

- Compact dimensions of 200mm × 184mm × 52mm ensure flexible installation in confined spaces.

Versatile Connectivity

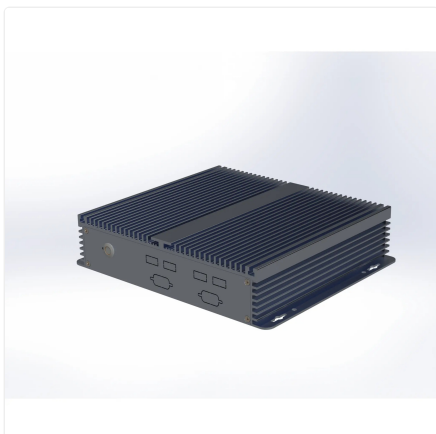
- Connect multiple displays with dedicated HDMI and VGA outputs.
- Access comprehensive peripheral support with 2x USB 3.2, 2x USB 2.0, and 4x convenient front USB 2.0 ports.
- Ensure stable network communication with a dedicated 1000 Mbps Ethernet port.
- Includes speaker out and mic in for audio integration.

Reliable Power and Compliance

- Powered by a robust 12V 7A adapter with a wide AC input range (100~275 Volts), ensuring stable operation.
- RoHS and ISO certifications guarantee quality and environmental compliance.

Flexible Operating System

- Pre-installed with DOS, offering maximum flexibility for custom operating system deployments tailored to your specific industrial needs.



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 |

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 | 2.38kg, 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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