



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

Quad DB9 Serial

SKU: IPC5-I5_13-32-M512-12_5-M-DOS-4S



Thinvent® IPC5: Unrivaled Power and Robustness for the Industrial Frontier.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Designed 100% in India, this fanless powerhouse delivers extreme performance and unwavering reliability for the most demanding applications in industrial automation, machine vision, and edge computing.

Unleash exceptional processing might

- Intel® Core™ i5-1335U processor with 10 cores and speeds up to 4.6 GHz
- Generous 12 MB cache for rapid data access
- Fast 4GB DDR4 RAM for seamless multitasking
- Ultra-speedy 512GB SSD for instant boot-ups and ample storage

Connect without limits

- Six DB9 RS232 serial ports for extensive legacy equipment integration
- Dual display outputs (HDMI and VGA) for versatile monitoring

- Four USB ports (2x USB 3.2, 2x USB 2.0) for modern peripherals
- Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust networking

Built to endure, engineered for excellence

- Rugged, fanless dark grey anodised aluminium housing ensures silent, dust-free operation in harsh environments
- Wide operating temperature range of 0°C to 50°C
- Compact dimensions (197mm x 210mm x 65mm) for easy integration
- ISO and RoHS certified for quality and compliance

The IPC5 comes with FreeDOS, offering the flexibility to deploy your preferred operating system. Elevate your industrial operations with the Thinvent® IPC5 – where performance meets durability.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 32 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 1 |
| VGA | 1 |

AUDIO

| | |
|-------------------|---|
| Speaker Out | 1 |
| Mic In | 1 |
| Front Speaker Out | 1 |
| Front 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 | 197mm × 210mm × 65mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Aluminium |
| Housing Finish | Anodised |
| Housing Colour | Dark Grey |
| Net and Gross Weight | 2.72kg, 3.14kg |

OPERATING SYSTEM

| | |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

Ordering Information

| PRODUCT CODE | |
|--|--|
| IPC5-i5_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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