



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-I5_13-32-M1024-12_5-M-11P-4S



Rugged Powerhouse: The IPC5 - Your Command Center for Industry 4.0.

Introducing the Thinvent® Industrial PC IPC5, a high-performance, fanless powerhouse meticulously 100% designed in India to redefine industrial computing. Engineered for the most demanding environments, the IPC5 combines raw processing power with unmatched reliability, making it ideal for advanced industrial automation, sophisticated machine vision, and robust edge computing applications.

Performance at its Core

- Experience lightning-fast operations with the Intel® Core™ i5-1335U processor, boasting 10 cores and burst frequencies up to 4.6 GHz, backed by a generous 12 MB cache for seamless multitasking and rapid data processing.
- Effortlessly manage complex applications with 4GB DDR4 RAM and benefit from rapid boot times and extensive storage on the 512GB SSD.

Unrivaled Connectivity

- Integrate seamlessly with existing and new systems using an exceptional six DB9 male RS232 serial ports, alongside:
- 2x USB 3.2, 2x USB 2.0

- 1x HDMI, 1x VGA, 1x Speaker Out, 1x Mic In
- 1x Gigabit Ethernet (1000 Mbps)
- Dual Band Wi-Fi 5 (802.11ac) for flexible wireless networking.

Built for the Toughest Environments

- The fanless, smooth anodised dark grey aluminium housing ensures dust-free operation, superior heat dissipation, and exceptional durability, capable of withstanding operating temperatures from 0°C to 50°C and 20-80% non-condensing humidity.
- Certified with RoHS and ISO, the IPC5 guarantees reliable, long-term performance in critical industrial settings.
- Pre-installed with Microsoft Windows 11 Pro, it offers a secure and familiar operating environment.

Dimensions

- 197mm x 210mm x 65mm

Power

- 12V 7A Adapter (100~275V AC input, 50~60 Hz, 1.5 Amps max) with a 2-metre cable.



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 | 1024 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 | Microsoft Windows 11 Pro |
|------------------|--------------------------|

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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