



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5_13-64-M256-12_5-M-U-0



Thinvent® Industrial PC IPC5: Unyielding Power for the Demanding Edge.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse engineered for the most challenging environments. Proudly 100% designed in India, its sleek, dark grey anodised aluminium housing offers exceptional durability and a professional finish.

Unrivalled Performance

- At its core, the Intel® Core™ i5-1335U processor delivers immense processing power with 10 cores reaching up to 4.6 GHz and a 12 MB cache, perfectly suited for advanced industrial automation, machine vision, and critical edge computing tasks.
- Multitask seamlessly with 16GB DDR4 RAM, ensuring rapid data processing.
- Boot instantly and access data at lightning speed with the 128GB SSD.
- Powered by Ubuntu Linux 24.04 LTS, offering a stable, secure, and open-source platform.

Built for the Toughest Conditions

- The fanless design eliminates moving parts, ensuring silent operation, preventing dust ingress, and extending lifespan in harsh industrial settings.
- Robust aluminium housing provides superior protection.
- Operates reliably from 0°C to 50°C with 20% to 80% non-condensing humidity.
- RoHS and ISO certified for global quality standards.

Extensive Connectivity

- Connect to diverse peripherals and networks with 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet (1000 Mbps), and dual-band Wi-Fi 5 (802.11ac).
- Versatile display options include HDMI and VGA, plus dedicated speaker out and mic in.
- Powered by a robust 12V 7A adapter with a 2-meter cable and wide 100~275V AC input range.

Compact yet powerful at 197mm × 210mm × 65mm, the IPC5 integrates effortlessly into any setup, delivering consistent, high-speed performance where it matters most.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 64 GB |
| SSD Storage | 256 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 |

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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

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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