



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

4GB DDR4 RAM

256GB SSD

No WiFi

Thinix Embedded Linux

SKU: IPC5-I5_13-4-M256-12_5-X-THINUX-0



Unleash Unrivaled Performance at the Industrial Edge: The IPC5.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and high-performance, this fanless powerhouse is purpose-built to drive advanced industrial automation, machine vision, and sophisticated edge computing applications. 100% designed in India, the IPC5 combines cutting-edge technology with robust, rugged design.

Unmatched Performance for Demanding Workloads

At its core, the IPC5 features an Intel® Core™ i5-1335U processor, boasting 10 cores and turbo speeds up to 4.6 GHz with 12 MB cache. Coupled with a massive 64GB DDR4 RAM and ultra-fast 512GB SSD, it delivers exceptional processing power and data handling capabilities essential for real-time operations and complex analytics.

Built for the Toughest Environments

The fanless design ensures silent operation and unparalleled reliability by eliminating dust ingress and moving parts, making it ideal for harsh industrial settings. Encased in a durable, dark grey anodised aluminium housing with a smooth finish, the IPC5 can withstand operating temperatures from 0°C to 50°C and non-condensing humidity from 20% to 80%. Certified with RoHS and ISO, its rugged construction guarantees longevity and consistent performance.

Extensive Connectivity and Seamless Integration

The IPC5 offers a comprehensive array of connectivity options for diverse industrial setups.

- Video: 1 HDMI, 1 VGA
- Audio: 1 Speaker Out, 1 Mic In
- USB: 2 USB 3.2, 2 USB 2.0
- Network: 1 Gigabit Ethernet for reliable wired data transfer
- Power: Wide input range (100~275V AC adapter, 12V 7A DC) with a 2-metre cable.

Thinvent® Thinix™ Embedded Linux: Empowering Your Operations

Pre-installed with Thinvent® Thinix™ Embedded Linux, the IPC5 provides a secure, flexible, and feature-rich operating environment.

- Web Browsing: Chromium and Mozilla Firefox for modern web applications.
- Remote Management: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for efficient remote access.
- Application Support: Java, Python, glibc for custom applications; LibreOffice and PDF viewer for productivity.
- Multimedia: Integrated multimedia player with MPEG4 support and SIP video/voice over IP.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 4 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 |
|----------|-----------|

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 | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP. |

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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