



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

8GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: IPC5-I5_13-8-M1024-12_5-M-THINUX-0



Unleash Industrial Brilliance: Power, Precision, and Unwavering Reliability.

The Thinvent® Industrial PC IPC5 redefines robust computing, delivering unparalleled performance for the most demanding industrial environments. Designed 100% in India, this high-performance, rugged, fanless IPC is engineered for critical applications like advanced industrial automation, sophisticated machine vision, and cutting-edge computing.

Exceptional Processing Power

- Experience relentless speed with the Intel® Core™ i5-1335U processor, featuring 10 cores and turbo speeds up to 4.6 GHz with 12 MB cache.
- Seamlessly handle complex tasks with 16GB DDR4 RAM and lightning-fast 512GB SSD storage, ensuring responsive operation and rapid data access.

Rugged Durability and Connectivity

- Built to endure, the IPC5 features a sturdy dark grey anodised aluminium housing, offering a smooth finish and fanless operation for silent, maintenance-free performance in temperatures from 0°C to 50°C.

- Extensive connectivity includes 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet, HDMI, VGA, Speaker Out, and Mic In, providing versatile options for your industrial peripherals.
- Stay connected with integrated dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.

Optimized with Thinix™ Embedded Linux

- Powered by Thinvent® Thinix™ Embedded Linux, the IPC5 offers a secure, stable, and feature-rich platform.
- Enjoy built-in browsers like Chromium and Mozilla Firefox.
- Benefit from advanced remote management features including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, browser-based management, and VNC shadowing.
- Comprehensive application support with Java, Python, glibc, LibreOffice, PDF viewer, multimedia player (MPEG4), and SIP video/voice over IP.

Compact and Certified

- With dimensions of 197mm × 210mm × 65mm, its compact size integrates seamlessly into any setup.
- RoHS and ISO certified, ensuring quality and environmental compliance.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 8 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 |

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 | 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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