



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

SKU: IPC5-I5_13-16-M512-12_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	16 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

NETWORKING

Ethernet	1000 Mbps
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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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