



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

32GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5_13-16-M32-12_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	16 GB
SSD Storage	32 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
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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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