



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5_13-16_16-M1024-12_5-X-11V-0



Thinvent IPC5: Engineered for Extreme Performance, Built for Industrial Demands.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is 100% designed in India, offering unparalleled reliability and processing capability for the most demanding environments.

Unmatched Performance

- Driven by an Intel® Core™ i5-1335U processor, featuring 10 cores and turbo speeds up to 4.6 GHz with a 12 MB cache, the IPC5 effortlessly handles complex computations.
- Equipped with a massive 64GB DDR4 RAM and a blazing-fast 1TB SSD, it ensures rapid data processing and storage, making it perfect for advanced industrial automation, machine vision, and critical edge computing applications.
- Operating on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, it delivers a secure, stable, and feature-rich platform optimized for industrial operations.

Industrial-Grade Durability

- Designed for continuous operation, its fanless architecture eliminates moving parts, ensuring silent performance and superior reliability in dusty or harsh conditions with an operating temperature range of 0°C to 50°C.

- The robust aluminium housing, finished with a smooth, dark grey anodised coating, provides exceptional protection and a premium aesthetic, meeting RoHS and ISO certifications for quality and environmental standards.

Seamless Connectivity

- Facilitate versatile setups with dual display support via HDMI and VGA ports.
- Extensive peripheral options include 2x USB 3.2 and 2x USB 2.0 ports.
- A dedicated 1000 Mbps Ethernet port guarantees high-speed, stable network communication for critical data exchange.
- Audio input (Mic In) and output (Speaker Out) expand its functional versatility.

Compact Power Delivery

- Its compact dimensions of 197mm × 210mm × 65mm allow for easy integration into existing industrial setups.
- Power is supplied by a reliable 12V 7A adapter with a broad 100~275V AC input range, ensuring stable operation.

The Thinvent IPC5 is your definitive solution for robust, intelligent industrial operations.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	32 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
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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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB		m256 = 256GB	
	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	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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