



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)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: IPC5-I5_13-16_16-M512-12_5-M-11V-0



Unleash Uncompromising Industrial Power: The Thinvent® IPC5.

Elevate your industrial automation, machine vision, and edge computing capabilities with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering reliability, this fanless powerhouse is 100% designed in India, boasting a robust aluminium housing with a sophisticated dark grey anodised finish. Experience seamless multitasking and lightning-fast processing thanks to the Intel® Core™ i5-1335U processor, featuring 10 cores and a max frequency of 4.6 GHz. Coupled with 16GB of DDR4 RAM and a rapid 256GB SSD, the IPC5 handles demanding workloads with ease.

Key Performance Highlights

- Processor: Intel® Core™ i5-1335U (10 Cores, up to 4.6 GHz, 12 MB Cache)
- Memory: 16 GB DDR4 RAM
- Storage: 256 GB SSD

Connectivity and Versatility

Navigate the complexities of modern industrial environments with an extensive array of ports. From dual HDMI and VGA outputs for multi-display setups to a wealth of USB 3.2 and USB 2.0 ports, the IPC5 offers unparalleled connectivity. The inclusion of two RS232 serial ports ensures seamless integration with legacy and specialized equipment. Stay connected with high-speed Dual Band WiFi (802.11ac).

Robust Design and Operation

Built to thrive in challenging conditions, the IPC5 operates reliably in temperatures from 0°C to 50°C. Its compact yet durable aluminium construction (197mm × 210mm × 65mm) is designed for longevity. Powering your operations is a 12V 7A adapter, with a versatile AC input range of 100~275 Volts.

Intuitive and Secure Operating System

Comes pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a stable and secure platform for your critical applications.

Certifications and Specifications

- Certifications: RoHS, ISO
- Housing: Aluminium, Anodised, Dark Grey
- Power: 12V 7A Adapter, 100~275V AC Input
- Ports: HDMI (1), VGA (1), Speaker Out (1), Mic In (1), USB 3.2 (2), USB 2.0 (2), RS232 (2)
- Networking: 1000 Mbps Ethernet, Wi-Fi 5 (802.11ac) Dual Band
- Operating Environment: 0°C ~ 50°C, 20% ~ 80% RH Non-condensing

The Thinvent® IPC5: Where ruggedness meets intelligence.



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	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
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	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	
	Thinux = Thinux™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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