



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

4GB DDR4 RAM

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-I5_13-4-M1024-12_5-M-11V-4S



Unleash Unrivaled Power and Precision at the Industrial Edge.

The Thinvent® Industrial PC IPC5 is engineered for the future of industrial automation. This high-performance, rugged, and fanless IPC, 100% designed in India, delivers unparalleled reliability and extensive connectivity for your most demanding applications.

Processing Power

Experience breakthrough performance with the Intel® Core™ i5-1335U processor, boasting 10 cores and an astounding 4.6 GHz max frequency, backed by 12 MB cache. Coupled with 32GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 effortlessly handles advanced industrial automation, complex machine vision, and cutting-edge AI/ML edge computing tasks.

Connectivity and Versatility

Designed for supreme versatility, the IPC5 offers a rich array of I/O, ensuring seamless integration with legacy and modern industrial peripherals.

Key connectivity options include

- Six DB9 male RS232 serial ports
- HDMI: 1
- VGA: 1
- Speaker Out: 1

- Mic In: 1
- USB 3.2: 2
- USB 2.0: 2
- Ethernet: 1000 Mbps
- Wireless Networking: Dual Band Wi-Fi 5 (802.11ac)

This extensive connectivity ensures your systems are always synchronized and responsive.

Robust Design and Reliability

Built to thrive in harsh environments, the IPC5 features a robust fanless design that eliminates dust ingress and moving parts, ensuring silent, maintenance-free operation across an impressive 0°C to 50°C temperature range and 20% to 80% non-condensing humidity. Its compact 197mm x 210mm x 65mm anodized dark grey aluminium housing is both durable and aesthetically refined, meeting RoHS and ISO certifications for quality and environmental responsibility. Powering this powerhouse is a stable 12V 7A adapter with wide AC input (100~275V).

Operating System

Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC5 provides a secure, reliable, and familiar platform for your industrial applications.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	4 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
Rear Serial Port	4 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 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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