



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-I5_13-16-M512-12_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	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
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 Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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