



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-I5_13-8_8-M1024-12_7-X-11V-4S



Unrivalled Power. Unyielding Reliability. Unmatched Connectivity.

The Thinvent® Industrial PC IPC5 redefines industrial computing, offering a high-performance, rugged, and fanless solution for the most demanding environments. Proudly 100% designed in India, its sleek, dark grey anodised aluminium housing speaks to its superior build quality and endurance.

Performance Prowess

At its core, the IPC5 boasts an Intel® Core™ i5-1335U processor with 10 cores, bursting up to 4.6 GHz, backed by a 12 MB cache. Coupled with a massive 64GB DDR4 RAM and a swift 256GB SSD, this machine is engineered for advanced industrial automation, complex machine vision, and robust edge computing, ensuring seamless operation even under heavy workloads.

Extensive Connectivity

Experience unparalleled versatility with a rich array of connectivity options. The IPC5 features

- 6 DB9 male RS232 serial ports for legacy and specialized equipment
- 2 USB 3.2 and 2 USB 2.0 ports for modern peripherals

- Dual display outputs (1 HDMI, 1 VGA) for flexible monitoring setups
- Gigabit Ethernet (1000 Mbps) for high-speed network integration
- Speaker Out and Mic In for audio capabilities

Built for the Toughest Environments

Designed for continuous operation, the IPC5 thrives in challenging conditions. Its fanless architecture ensures silent, dust-free performance, while the robust anodised aluminium chassis protects against industrial hazards, maintaining stability across a 0°C to 50°C operating temperature range.

Operating System

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

This 197mm × 210mm × 65mm power-house, powered by a 12V 7A adapter with a 2-metre cable, delivers cutting-edge performance with certified RoHS and ISO compliance.



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	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
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POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	2.82kg, 3.24kg

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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