



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

8GB DDR4 RAM

2TB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-I5_13-8-M2048-12_7-M-11P-4S



Rugged Powerhouse: The IPC5 - Your Command Center for Industry 4.0.

Introducing the Thinvent® Industrial PC IPC5, a high-performance, fanless powerhouse meticulously 100% designed in India to redefine industrial computing. Engineered for the most demanding environments, the IPC5 combines raw processing power with unmatched reliability, making it ideal for advanced industrial automation, sophisticated machine vision, and robust edge computing applications.

Performance at its Core

- Experience lightning-fast operations with the Intel® Core™ i5-1335U processor, boasting 10 cores and burst frequencies up to 4.6 GHz, backed by a generous 12 MB cache for seamless multitasking and rapid data processing.
- Effortlessly manage complex applications with 4GB DDR4 RAM and benefit from rapid boot times and extensive storage on the 512GB SSD.

Unrivalled Connectivity

- Integrate seamlessly with existing and new systems using an exceptional six DB9 male RS232 serial ports, alongside:
- 2x USB 3.2, 2x USB 2.0

- 1x HDMI, 1x VGA, 1x Speaker Out, 1x Mic In
- 1x Gigabit Ethernet (1000 Mbps)
- Dual Band Wi-Fi 5 (802.11ac) for flexible wireless networking.

Built for the Toughest Environments

- The fanless, smooth anodised dark grey aluminium housing ensures dust-free operation, superior heat dissipation, and exceptional durability, capable of withstanding operating temperatures from 0°C to 50°C and 20-80% non-condensing humidity.
- Certified with RoHS and ISO, the IPC5 guarantees reliable, long-term performance in critical industrial settings.
- Pre-installed with Microsoft Windows 11 Pro, it offers a secure and familiar operating environment.

Dimensions

- 197mm × 210mm × 65mm

Power

- 12V 7A Adapter (100~275V AC input, 50~60 Hz, 1.5 Amps max) with a 2-metre cable.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	2048 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	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 Pro
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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	
	m2048 = 2TB			
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	110 = Windows 11 Professional		Thinux = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	0 = None		4S = Quad DB9 Serial	

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