



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

4GB DDR4 RAM

2TB SSD

Dual Band WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-I5-13-4-M2048-12_7-M-W_OS-4S



Unmatched Power, Unyielding Durability: Introducing the Thinvent® Industrial PC IPC5.

This high-performance, fanless, and rugged solution is 100% designed in India for demanding industrial environments. The Thinvent® IPC5 redefines edge computing, advanced industrial automation, and machine vision with its robust capabilities and extensive connectivity.

Unleash exceptional processing might

- At its core, the Intel® Core™ i5-1335U processor delivers 10 cores and speeds up to 4.6 GHz, backed by a generous 12 MB cache.
- Seamlessly handle complex data and multitasking with 64GB DDR4 RAM.
- Store vast amounts of critical data and ensure lightning-fast boot times with a massive 1TB SSD.

Engineered for extreme reliability

- Experience silent, maintenance-free operation thanks to its fanless design.
- The smooth, anodised dark grey aluminium housing ensures superior heat dissipation and rugged protection, allowing operation in temperatures from 0°C to 50°C and humidity up to 80% RH (non-condensing).

- Its compact 197mm × 210mm × 65mm footprint integrates effortlessly into any setup.

Connect to your world

- Dominate connectivity with six DB9 male RS232 serial ports, enabling unparalleled integration with legacy and modern industrial equipment.
- Enjoy versatile display options with one HDMI and one VGA output.
- Benefit from ample peripheral support with two USB 3.2 and two USB 2.0 ports.
- Stay connected with high-speed 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).
- Includes Speaker Out and Mic In for audio capabilities.

Ready for your custom needs

- Shipped without an operating system, providing the flexibility to install your preferred industrial OS or custom software.
- Certified for RoHS and ISO standards, guaranteeing quality and environmental compliance.

The Thinvent® Industrial PC IPC5 is your steadfast partner for mission-critical operations.



Thinvent Industrial PC IPC5



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	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	Without OS
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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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