



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

Dual Band WiFi

Without OS

SKU: IPC5-I5_12-16_16-M1024-12_7-M-W_OS-0



Power the Future of Industry: Uncompromising Performance, Unmatched Reliability

Unleash the ultimate in industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this rugged, fanless powerhouse is engineered for demanding environments, offering unparalleled performance for advanced industrial automation, machine vision, and edge computing.

Performance at its Core

- Driven by an Intel® Core™ i5-1250P processor featuring 12 cores and a blistering 4.4 GHz max frequency, the IPC5 delivers exceptional processing power.
- With 12 MB cache, 4GB DDR4 RAM, and a lightning-fast 1TB SSD, it handles complex tasks and massive data with ease, ensuring smooth operations even under heavy workloads.

Built for the Toughest Conditions

- Housed in a durable, dark grey anodised aluminium chassis, the IPC5 is not just robust but also aesthetically refined.

- Its fanless design ensures silent operation and superior reliability, making it perfect for dust-prone areas.
- Certified RoHS and ISO, it operates flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity.

Seamless Connectivity & Flexibility

- Experience extensive connectivity with 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet, HDMI, VGA, Speaker Out, and Mic In.
- Dual-band Wi-Fi 5 (802.11ac) ensures high-speed wireless networking.
- Without a pre-installed OS, you have the freedom to deploy your preferred industrial operating system.
- Powered by a versatile 12V 7A adapter with a 2-metre cable, accepting 100~275V AC input.

The Thinvent® IPC5: Your robust, high-performance solution for the industrial frontier.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 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

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	2.92kg, 3.34kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

IPC5-i5_12-[RAM]-[SSD]-12_10-[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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