



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Without OS

SKU: IPC5-I5_12-4-M128-12_5-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	4 GB
SSD Storage	128 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	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	2.83kg, 3.25kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE	
IPC5-i5_12-[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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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