



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

DOS

SKU: IPC5-I5_12-16-M256-12_5-M-DOS-0



Unleash Unrivaled Performance at the Industrial Edge

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5, a powerhouse meticulously engineered and 100% designed in India. This high-performance, fanless rugged IPC is built for the most demanding environments, delivering exceptional reliability and speed for advanced industrial automation, machine vision, and edge computing applications.

Peak Performance for Critical Tasks

At its core lies the Intel® Core™ i5-1250P processor, boasting a formidable 12 cores and bursting up to 4.4 GHz with 12 MB cache, ensuring seamless execution of complex operations. Paired with 4GB DDR4 RAM and a rapid 256GB SSD, the IPC5 guarantees lightning-fast boot-ups, responsive multitasking, and efficient data handling.

Robust and Connected

The IPC5 is engineered for durability, featuring a sleek, dark grey anodised aluminium housing that dissipates heat silently, making it truly fanless and resilient against dust and vibrations. Its compact dimensions (197mm x 210mm x 65mm) belie a wealth of connectivity options, including

- 2x USB 3.2 ports for high-speed peripherals
- 2x USB 2.0 ports for versatile connections
- 1x HDMI and 1x VGA port for dual display configurations
- 1x Gigabit Ethernet for robust wired networking
- Dual-Band Wi-Fi 5 (802.11ac) for flexible wireless deployment
- Dedicated Speaker Out and Mic In ports

Operating flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity, this IPC is ready for any industrial challenge. Power it globally with its wide 100~275V AC input and a dependable 12V 7A adapter. With RoHS and ISO certifications, the IPC5 ensures quality and environmental compliance, ready for your custom OS via FreeDOS.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	256 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	FreeDOS
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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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