



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

DOS

SKU: IPC5-I5_12-32-M2048-12_5-M-DOS-0



Unleash Unrivalled 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 × 210mm × 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.



Thinvent Industrial PC IPC5



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	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

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

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

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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