



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)

512GB SSD

Dual Band WiFi

DOS

SKU: IPC5-I5_12-16_16-M512-12_10-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.



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	512 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	10 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	FreeDOS
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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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