



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

Windows 11 Pro

SKU: IPC5-I5_12-16_16-M512-12_10-M-11P-0



Engineered for Excellence: Unyielding Power, Unrivalled Performance, Designed in India.

Introducing the Thinvent® Industrial PC IPC5, a high-performance, fanless powerhouse meticulously crafted for the most demanding industrial environments. This rugged IPC is your ultimate solution for advanced industrial automation, machine vision, and critical edge computing tasks, all while being 100% designed in India.

Unleash exceptional processing might with the Intel® Core™ i5-1250P processor.

Core Performance

- 12 Cores for superior multitasking and parallel processing
- Up to 4.4 GHz max frequency for lightning-fast execution
- 12 MB cache for accelerated data access

Benefit from rapid application loading and extensive data storage with 4GB DDR4 RAM and a massive 1TB SSD. Running on Microsoft Windows 11 Pro, the IPC5 offers a secure, familiar, and modern operating experience.

Connectivity Beyond Compare

- Dual Band Wi-Fi 5 (802.11ac) for robust wireless networking
- Gigabit Ethernet for reliable wired connections
- Multiple USB 3.2 and 2.0 ports for extensive peripheral support
- HDMI and VGA for diverse display outputs
- Audio in/out for complete system integration

Built for Resilience

- Fanless operation ensures silence and reliability in dusty or harsh conditions
- Robust anodised dark grey aluminium housing (197mm x 210mm x 65mm) for extreme durability
- Operational in temperatures from 0°C to 50°C and 20-80% RH (non-condensing)
- RoHS and ISO certified for assured quality and compliance

Powering your operations with a reliable 12V DC input, the Thinvent® IPC5 is the compact, powerful, and dependable choice for your industrial future.



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	Microsoft Windows 11 Pro
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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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