



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

Ubuntu Linux

SKU: IPC5-I5_12-16_16-M512-12_7-M-U-0



Unrivalled Power, Unyielding Reliability: The Future of Industrial Computing.

Unleash the full potential of your operations with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering durability, this high-performance, fanless powerhouse is your ultimate solution for advanced industrial automation, high-speed machine vision, and demanding edge computing tasks. 100% designed in India, the IPC5 combines cutting-edge technology with robust construction, featuring a smooth anodised dark grey aluminium finish.

Performance at its Core

- Experience lightning-fast processing with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz, backed by a generous 12 MB cache.
- Tackle complex applications effortlessly with a massive 64GB DDR4 RAM.
- Enjoy rapid boot times and ample storage with the 512GB SSD.
- Rely on the stable and secure Ubuntu Linux 24.04 LTS for mission-critical operations.

- Operate silently and dependably in challenging conditions thanks to its fanless design.
- The rugged anodised dark grey aluminium housing ensures resilience against dust and vibrations, maintaining performance across a wide operating temperature range of 0°C to 50°C and 20% to 80% non-condensing humidity.
- Compact dimensions (197mm × 210mm × 65mm) allow for seamless integration into confined spaces.

Connect Without Limits

- Benefit from extensive connectivity including HDMI and VGA for versatile display setups, two USB 3.2 and two USB 2.0 ports for modern peripherals, and two legacy DB9 RS232 serial ports for industrial equipment.
- Stay connected with reliable 1000 Mbps Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

The Thinvent® IPC5 is more than just a PC; it's a testament to superior engineering, ready to elevate your industrial capabilities.

Built for the Toughest Environments



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	7 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	Ubuntu Linux 24.04 LTS
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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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