



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

No WiFi

Windows 11 Pro

SKU: IPC5-I5_12-8_8-M1024-12_5-X-11P-0



Thinvent® Industrial PC IPC5: The Unyielding Edge of Industrial Automation.

Unleash unparalleled processing power with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution meticulously designed and engineered in India. Built for the most demanding environments, this robust IPC drives advanced industrial automation, machine vision, and edge computing with unflinching reliability.

Power at Your Core

Experience blazing-fast performance driven by the Intel® Core™ i5-1250P processor, boasting 12 cores and turbo frequencies up to 4.4 GHz with a 12 MB cache. This powerful engine ensures seamless multitasking and real-time data processing for critical applications. Equipped with 4GB DDR4 RAM and a rapid 512GB SSD, the IPC5 delivers swift responsiveness and ample storage, all running on the modern and secure Microsoft Windows 11 Pro operating system.

Engineered for Extremes

The fanless design ensures silent operation and maximum resilience against dust and debris, making it ideal for harsh industrial settings. Encased in a durable, dark grey anodised aluminium housing, the IPC5 is built to last. It operates flawlessly across a wide temperature range of 0°C to 50°C and humidity from 20% to 80% RH (non-condensing), backed by RoHS and ISO certifications for guaranteed quality and environmental compliance.

Comprehensive Connectivity

Seamlessly integrate into your industrial ecosystem with a rich array of connectivity options.

Key Connectivity

- 1 HDMI port
- 1 VGA port
- 2 USB 3.2 ports
- 2 USB 2.0 ports
- 1 Gigabit (1000 Mbps) Ethernet port
- 1 Speaker Out port
- 1 Mic In port

Robust Power and Compact Design

Power your operations confidently with a reliable 12V 7A adapter, supporting a wide AC input range of 100~275 Volts, 50~60 Hz, and a 1.5 Amps maximum, delivered via a 2-metre cable. Its compact dimensions of 197mm × 210mm × 65mm allow for easy deployment in space-constrained environments, while the smooth anodised finish in dark grey adds a professional aesthetic. The Thinvent® IPC5 stands ready to transform your industrial capabilities.



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	1024 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
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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	Microsoft Windows 11 Pro
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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		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	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

