



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)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: IPC5-I5_12-8_8-M512-12_7-M-11V-0



Robust Performance. Relentless Reliability. Designed for the Future.

Unleash unparalleled power in the most demanding industrial environments with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and high-performance, this rugged, fanless IPC is your ultimate solution for advanced industrial automation, machine vision, and cutting-edge edge computing applications. 100% designed in India, the IPC5 combines superior performance with robust build quality.

Exceptional Processing Power

- Experience lightning-fast processing with the Intel® Core™ i5-1250P processor. Its 12 cores and up to 4.4 GHz turbo frequency, backed by a 12 MB cache, deliver the raw power needed for complex computations and real-time data analysis.
- Paired with 4GB DDR4 RAM and a swift 128GB SSD, the pre-installed Windows 11 IoT Enterprise LTSC 2024 Value ensures a responsive, secure, and long-term supported operating experience.

- The IPC5 boasts a durable, fanless design, crafted from smooth anodised dark grey aluminium for silent operation and maximum resilience against dust and contaminants.
- Operates reliably from 0°C to 50°C and 20% to 80% non-condensing humidity, ensuring continuous performance where other PCs fail.
- Its compact dimensions (197mm × 210mm × 65mm) and RoHS, ISO certifications make it ideal for space-constrained, compliant installations.

Seamless Connectivity

- Stay connected with an extensive array of ports including 2x USB 3.2, 2x USB 2.0, HDMI, VGA, Speaker Out, Mic In, and gigabit Ethernet.
- Dual-band Wi-Fi 5 (802.11ac) ensures versatile wireless networking capabilities for any industrial setup.

The Thinvent® IPC5: Power, precision, and endurance, all in one compact, Indian-engineered package.

Built for the Toughest Conditions



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	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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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