



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-I5_12L-16-M512-12_5-X-11V-4S



Unleash industrial intelligence without a whisper.

Where raw processing power meets relentless reliability

Step beyond the limitations of standard office PCs. The Thinvent IPC5 is engineered for the demanding heartbeat of industry. Its potent 12th Gen Intel Core performance and innovative fanless design deliver serious computational muscle in complete silence, eliminating dust intrusion and mechanical failure points for ultimate dependability.

Built for the real world of industry

This isn't just a computer; it's a hardened partner for your most critical operations. Its robust, all-aluminium chassis with a smooth anodised finish dissipates heat efficiently and stands firm against vibration, shock, and harsh environmental conditions, from factory floors to outdoor enclosures.

Connect, control, and compute at the edge

Designed with advanced connectivity at its core, the IPC5 is your gateway to seamless integration. With dual Gigabit LAN and four dedicated serial ports, it effortlessly bridges legacy machinery and modern network systems, making it the perfect central brain for sophisticated automation, precise machine vision applications, and powerful on-site edge computing.

A powerhouse, proudly conceived and 100% designed in India to master the complexities of modern industry.



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
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE	
IPC5-i5_121-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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