



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

DOS

Quad DB9 Serial



SKU: IPC5-I5_12L-32-M1024-12_5-M-DOS-4S

Unleash industrial-grade power in the most demanding environments.

Meet the Thinvent IPC5: a high-performance, rugged computing core designed for the real world. Built for advanced industrial automation, machine vision, and edge computing, this fanless industrial PC delivers unwavering reliability where it matters most.

Key advantages

- Pure, silent power: A robust Intel® processor handles complex tasks effortlessly, while fanless passive cooling ensures zero moving parts for ultimate reliability in dusty or dirty settings.
- Unmatched connectivity: With dual LAN and multiple serial ports, it seamlessly integrates with legacy machinery, modern sensors, and network systems, creating a truly connected operations hub.

- Built to endure: Housed in a sleek, anodised aluminium chassis, it withstands vibration, wide temperature fluctuations, and the rigours of 24/7 operation without breaking a sweat.
- Edge-ready intelligence: Process data locally with robust performance, enabling faster decision-making and reducing latency for critical automation and inspection tasks.
- Proudly engineered in India: Benefit from rugged innovation designed with a deep understanding of industrial needs and supported by local expertise.

Stop compromising. Deploy the robust, connected, and powerful computing foundation your advanced applications require.



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	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
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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	FreeDOS
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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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