



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 Pro

SKU: IPC5-I5_12-4-M512-12_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 x 210mm x 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 | 4 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 |
|----------|-----------|

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 |
|------------------|--------------------------|

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 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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