



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM

1TB SSD

No WiFi

Without OS

SKU: IPC5-I5_12-64-M1024-12_5-X-W_OS-0



Engineered for Excellence: The Thinvent® IPC5 – Unyielding Power at the Industrial Edge.

Experience unparalleled performance and unwavering reliability with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is 100% designed in India, built to tackle the most demanding industrial environments.

Exceptional Processing Power

- Driven by the Intel® Core™ i5-1250P processor, featuring an impressive 12 cores and a blistering 4.4 GHz max frequency, coupled with a 12 MB cache for superior data processing.
- Seamlessly handle complex applications with 32GB DDR4 RAM and benefit from lightning-fast boot-ups and data access with a robust 512GB SSD.

Industrial-Grade Durability and Design

- Its sleek, dark grey, anodised aluminium housing offers a smooth finish, superb heat dissipation, and robust protection, ensuring stable operation from 0°C to 50°C and 20% ~ 80% RH non-condensing humidity.

- Designed fanless for silent, dust-free, and maintenance-free operation, making it ideal for harsh industrial settings.
- Compact dimensions (197mm × 210mm × 65mm) allow for flexible deployment in space-constrained areas.

Extensive Connectivity for Your Operations

- Connect effortlessly with multiple peripherals via 2x USB 3.2 and 2x USB 2.0 ports.
- Ensure reliable network communication with a dedicated Gigabit Ethernet port.
- Versatile display options include HDMI and VGA outputs, along with Speaker Out and Mic In for comprehensive multimedia support.

The Thinvent® IPC5 is the perfect solution for advanced industrial automation, high-definition machine vision, and critical edge computing tasks. With RoHS and ISO certifications, this robust system is engineered for your future. Note: This unit ships without an operating system and does not include WiFi, allowing for tailored deployment.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1240P |
| Cores | 12 |
| Max Frequency | 4.4 GHz |
| Cache | 12 MB |
| Main Memory | 64 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 |
|----------|-----------|

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 | Without OS |
|------------------|------------|

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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