



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM

32GB SSD

No WiFi

DOS

SKU: IPC5-I5_12-32-M32-12_5-X-DOS-0



Thinvent® IPC5: Unyielding Power, Engineered for Industry's Edge.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this robust, fanless powerhouse delivers unparalleled performance for the most demanding applications, from advanced industrial automation to high-fidelity machine vision and critical edge computing.

Performance at its Core

- Driven by an Intel® Core™ i5-1250P processor featuring 12 cores and speeds up to 4.4 GHz with 12 MB cache, the IPC5 effortlessly handles complex tasks.
- Paired with a massive 32GB DDR4 RAM and a rapid 256GB SSD, it ensures swift data processing and responsive operation, minimizing downtime and maximizing productivity.

Built for Battle

- Encased in a sleek, dark grey anodised aluminium housing (197mm × 210mm × 65mm), the fanless design ensures silent operation and exceptional reliability in dust-prone environments.

- Operating flawlessly from 0°C to 50°C with 20% to 80% non-condensing humidity, this IPC is engineered to thrive in harsh industrial settings, meeting RoHS and ISO certifications.

Seamless Connectivity

- Extensive I/O options include 1x HDMI, 1x VGA, 2x USB 3.2, 2x USB 2.0, Speaker Out, Mic In, and a dedicated 1000 Mbps Ethernet port for secure, high-speed networking.
- Powered by a stable 12V DC input at 7A, with a wide AC input range (100~275V, 50~60 Hz), ensuring consistent power delivery for critical operations.

Pre-loaded with FreeDOS, the IPC5 offers a flexible platform ready for your tailored operating system. Choose Thinvent® IPC5 for a powerful, rugged, and reliable solution, proudly Made in India.



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 | 32 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 | FreeDOS |
|------------------|---------|

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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