



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: IPC5-I5_12-16-M256-12_5-M-THINUX-0



Precision Power for the Industrial Frontier.

The Thinvent® Industrial PC IPC5 redefines industrial computing, delivering unmatched performance and rugged reliability where it matters most. 100% designed and engineered in India, this fanless IPC is built for the demanding environments of advanced industrial automation, machine vision, and edge computing.

Core Performance & Capability

At its heart, the IPC5 features an Intel® Core™ i5-1250P processor with 12 cores, bursting up to 4.4 GHz, backed by a generous 12 MB cache, 8GB DDR4 RAM, and a rapid 512GB SSD. This formidable power ensures seamless operation for complex data processing, real-time analytics, and resource-intensive applications.

Robust Design & Connectivity

Crafted with a sleek, dark grey anodised aluminium housing, the IPC5 is not only visually appealing but also fanless, ensuring silent operation, preventing dust ingress, and maximizing durability in harsh conditions (0°C to 50°C, 20-80% RH non-condensing). Its comprehensive connectivity includes

- Dual display support with HDMI and VGA
- Four USB ports (2x 3.2, 2x 2.0)
- Gigabit Ethernet

- Dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking
- Speaker Out and Mic In for audio integration

Thinvent® Thinix™ Embedded Linux

Experience superior control with Thinvent's optimized Thinix™ Embedded Linux operating system. It comes pre-loaded with essential features for industrial deployment

- Chromium and Mozilla Firefox web browsers
- Remote access tools like RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH
- Browser-based remote management and VNC shadowing
- Support for Java, Python, and glibc based location applications
- Productivity tools including LibreOffice and a PDF viewer
- Multimedia playback (MPEG4) and SIP video/voice over IP

The IPC5 is RoHS and ISO certified, a testament to its quality and environmental compliance. Its compact dimensions and efficient 12V 7A power adapter ensure flexible installation, making it the ultimate choice for your industrial needs.



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 | 256 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 |
| 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 | Thinvent® Thinux™ Embedded Linux |
| OS Features | Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP. |

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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