

Thinvent IPC 5

An Industrial Powerhouse



IPC 5 is designed to operate 24/7 in extreme conditions—high/low temperatures, humidity, dust, and vibration. With a long product lifecycle and long-term component availability, essential for industries where hardware consistency is crucial.

IPC 5 offers modular configurations to meet specific needs, such as a range of peripheral ports (RS232, USB), custom storage, or unique mounting options. It also includes features for real-time computing, supporting precise timing required in applications like automation, robotics, and process control, along with extensive connectivity—Ethernet, WiFi, and protocols like CAN bus and Modbus—to integrate seamlessly within industrial networks and IoT systems. IPC 5 is certified to industry standards (like RoHS, ISO) to ensure they meet safety, environmental, and performance standards critical in sectors like **medical, defence, automotive, aviation, gaming, communication, retail & logistics, semiconductor solutions, smart cities, railways, robotics and energy.**

| HARDWARE | |
|------------------|--|
| Processor | Intel i5 12th Gen |
| Graphics | Intel® UHD Graphics up to 750MHz |
| Memory | Up to 64GB DDR4 @3200 MHz* |
| Display | 4K UHD - 4096x2160@60Hz 1 x HDMI connector ② 1 x VGA connector ③ Dual independent display |
| Networking | 1 Gbps Ethernet Port ⑤ 1 x RJ-45 with diagnostic LEDs |
| Audio | 2 x Speaker out 2 x Mic in HD Audio CODEC |
| Peripheral Ports | 2 x USB 3.0 ④⑥ 2 x USB 2.0 |

| SOFTWARE | |
|----------------------------------|---|
| OS | Linux / Windows |
| Browsers | Google Chrome, Mozilla Firefox |
| Remote Display and VDI Protocols | RDP 10 (RemoteFX, H.264/AVC) Citrix Virtual Desktop, ICA, HDX VMware Horizon Putty and SSH |
| Remote Management | Browser-based management suite. VNC shadowing. |
| Local Applications | Microsoft .NET, PDF viewer, Java, Zoom |
| Multimedia | VLC Player with MPEG4 support SIP - video, voice, text over IP |
| Peripheral Support | Printer, Scanner, Touchscreen. Biometrics, Smart card, RFID and Barcode readers. |

| OPTIONAL | |
|-----------|-------------------------|
| WLAN | 802.11n WiFi Networking |
| Bluetooth | Yes |
| COM Port | Optional |

| ENVIRONMENTAL | |
|-----------------------|--------------------------------------|
| Operation Temperature | -10°C to 48°C |
| Humidity | 5 to 95% RH, non-condensing |
| Certification | RoHS, ISO |
| Working Vibration | 0.5g rms/5-500HZ/random/operating |
| Storage Temperature | -20 to 70° C |

| PHYSICAL | |
|--------------|-------------------------------|
| Dimensions | 231mm x 200mm x 52mm |
| Net Weight | 2.3 kg |
| Gross Weight | 2.6 kg |
| Colour | Metallic Dark Gray |
| Housing | Extruded High Grade Aluminium |
| Form Factor | Mini ITX 170x170 |

| ELECTRICAL - EXTERNAL ADAPTOR | |
|-------------------------------|----------------------------|
| Power Input | 100 - 240 V AC, 50 - 60 Hz |
| Power Output | 12V |
| Current | 5 A |
| Consumption | 65 Watt |

| STORAGE OPTIONS | |
|-----------------|------------------------------|
| M.2 SSD | 1 x M.2 2280 Support SATA |

| WARRANTY AND SERVICE OPTIONS | |
|------------------------------|-----------------------------------|
| Standard | 3-year return to the bench |
| Extended | 5-year return to the bench |
| On-Site Service | Onsite service (select locations) |

