



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## No WiFi

## Thinux Embedded Linux

SKU: IPC5-I5\_14-8-M1024-12\_5-X-THINUX-0



Unrivalled Power. Unyielding Reliability. Designed for Tomorrow's Industry.

Elevate your industrial operations with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution meticulously 100% designed in India. Engineered for demanding environments, the IPC5 is your robust partner for advanced industrial automation, precision machine vision, and powerful edge computing.

### Exceptional Performance

- Harness the formidable Intel® Core™ 5 120U processor with a blazing 10 cores, clocking up to 5.0 GHz and backed by a 12 MB cache.
- Seamlessly manage complex tasks with 4GB DDR4 RAM and rapid data access from a 256GB SSD.

### Built for Durability

- Experience unwavering operation in challenging conditions with a fanless design, preventing dust and debris ingress.
- Its sleek, dark grey anodised aluminium housing offers superior protection and a smooth finish, enduring temperatures from 0°C to 50°C.
- Certified for RoHS and ISO compliance, ensuring robust industrial reliability.

### Versatile Connectivity

- Expand your visual workspace with 2 HDMI and 1 VGA output.
- Connect essential peripherals via 2 USB 3.0 and 2 USB 2.0 ports.
- Ensure stable, high-speed network integration with Gigabit Ethernet.

### Intuitive Thinux™ Embedded Linux OS

- Leverage the secure Thinvent® Thinux™ Embedded Linux for unparalleled flexibility.
- Access remote displays with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management, VNC shadowing, and support for Java, Python, and glibc applications.
- Includes essential tools like LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

The IPC5 provides the power and resilience required for your most critical industrial applications, empowering innovation at the edge.



# Thinvent Industrial PC IPC5



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 120U    |
| Cores           | 10      |
| Max Frequency   | 5 GHz   |
| Cache           | 12 MB   |
| Main Memory     | 8 GB    |
| SSD Storage     | 1024 GB |

### DISPLAY

|      |   |
|------|---|
| HDMI | 2 |
| VGA  | 1 |

### AUDIO

|                   |   |
|-------------------|---|
| Speaker Out       | 1 |
| Mic In            | 1 |
| Front Speaker Out | 1 |
| Front Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.0           | 2                |
| USB 2.0           | 2                |
| Front USB 2.0     | 3                |
| 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 | 2.43kg, 2.85kg          |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE                                              |                                 |              |                      |                |
|-----------------------------------------------------------|---------------------------------|--------------|----------------------|----------------|
| IPC5-i5_14-[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 |                |

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

 +91-99903-44251

### R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

### Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

