



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 4GB DDR4 RAM

## 2TB SSD

## No WiFi

## Thinux Embedded Linux

SKU: IPC5-I5\_12-4-M2048-12\_7-X-THINUX-0



Unyielding Power, Unrivalled Reliability: The Thinvent® IPC5.

The Thinvent® Industrial PC IPC5: a high-performance, rugged, fanless powerhouse, 100% designed in India. Ideal for advanced industrial automation, machine vision, and edge computing, it delivers unwavering performance in harsh environments.

### Peak Performance Redefined

- Driven by an Intel® Core™ i5-1250P processor (12 cores, up to 4.4 GHz, 12 MB cache), the IPC5 offers unparalleled processing for complex tasks.
- With 32GB DDR4 RAM and a lightning-fast 1TB SSD, expect seamless multitasking and rapid data access, vital for mission-critical applications.

### Built Tough for Industry

- Its fanless design ensures silent, maintenance-free operation and extended lifespan.
- The robust, dark grey anodised aluminium housing (197x210x65mm) provides superior heat dissipation and durability.

- Certified RoHS and ISO, it reliably operates from 0°C to 50°C and 20-80% RH.

### Extensive Connectivity & Control

- Connect with versatile I/O: 2x USB 3.2, 2x USB 2.0, HDMI, VGA, Speaker Out, Mic In, and a Gigabit Ethernet port for robust networking.
- Power is supplied via a 12V 7A adapter, supporting wide 100-275V AC input.

### Thinvent® Thinux™ Embedded Linux

- This secure, versatile OS provides a comprehensive industrial platform, enabling:
- Web browsing (Chromium, Firefox) and robust remote management (RDP 10, SSH, VNC).
- Full support for Java, Python, glibc applications, LibreOffice, PDF, multimedia, and SIP video/voice.

The Thinvent® IPC5 combines raw power with unmatched resilience, the ultimate solution for demanding industrial applications.



# Thinvent Industrial PC IPC5



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 4 GB    |
| SSD Storage     | 2048 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   | 7 Amps                                       |
| Power Input  | 100~275 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 | 2.92kg, 3.34kg          |

### 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\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

## RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32\_32 = 64GB  
DDR4 RAM (2 x  
32GB)16\_16 = 32GB  
DDR4 RAM (2 x  
16GB)8\_8 = 16GB DDR4  
RAM (2 x 8GB)

## SSD

m128 = 128GB

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W\_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

## Accessories

0 = None

4S = Quad DB9 Serial

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