



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

256GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5\_12-32\_32-M256-12\_7-M-U-0



Unrivalled Power, Unyielding Reliability: The Future of Industrial Computing.

Unleash the full potential of your operations with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering durability, this high-performance, fanless powerhouse is your ultimate solution for advanced industrial automation, high-speed machine vision, and demanding edge computing tasks. 100% designed in India, the IPC5 combines cutting-edge technology with robust construction, featuring a smooth anodised dark grey aluminium finish.

### Performance at its Core

- Experience lightning-fast processing with the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz, backed by a generous 12 MB cache.
- Tackle complex applications effortlessly with a massive 64GB DDR4 RAM.
- Enjoy rapid boot times and ample storage with the 512GB SSD.
- Rely on the stable and secure Ubuntu Linux 24.04 LTS for mission-critical operations.

- Operate silently and dependably in challenging conditions thanks to its fanless design.
- The rugged anodised dark grey aluminium housing ensures resilience against dust and vibrations, maintaining performance across a wide operating temperature range of 0°C to 50°C and 20% to 80% non-condensing humidity.
- Compact dimensions (197mm × 210mm × 65mm) allow for seamless integration into confined spaces.

### Connect Without Limits

- Benefit from extensive connectivity including HDMI and VGA for versatile display setups, two USB 3.2 and two USB 2.0 ports for modern peripherals, and two legacy DB9 RS232 serial ports for industrial equipment.
- Stay connected with reliable 1000 Mbps Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

The Thinvent® IPC5 is more than just a PC; it's a testament to superior engineering, ready to elevate your industrial capabilities.

### Built for the Toughest Environments



# 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     | 64 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   | 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

| PRODUCT CODE                                               |                                  |                                  |                               |                |
|------------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------|
| IPC5-i5_12-[RAM]-[SSD]-12_10-[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                     |                                  | m256 = 256GB                  |                |
|                                                            | 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          |                |
|                                                            | Thinix = Thinix™ Embedded Linux  |                                  | U = Ubuntu Linux              |                |
| Accessories                                                | 0 = None                         |                                  | 4S = Quad DB9 Serial          |                |

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