



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## Dual LAN

64GB DDR4 RAM (2 x 32GB)

256GB SSD

No WiFi

DOS

SKU: IPC5-I5\_12L-32\_32-M256-12\_7-X-DOS-0



Unleash rugged intelligence at the edge.

Engineered for the most demanding industrial environments, the Thinvent IPC5 delivers relentless computing power without compromise. Its robust, fanless aluminium chassis ensures silent, dust-proof operation that thrives where others falter, from the factory floor to remote installations.

### Built for advanced industrial automation

- Execute complex machine vision and control algorithms with seamless, lag-free performance.

- Process critical data locally for real-time edge computing, reducing latency and cloud dependency.
- Connect to a vast array of legacy and modern industrial peripherals with its comprehensive I/O panel.
- Rely on its steadfast operation across a wide temperature range, day in and day out.

This is high-performance computing, 100% designed in India for unwavering reliability. Deploy the IPC5 and build a smarter, more resilient operation.



## 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                |
| Front USB 2.0     | 4                |
| Front Serial Port | 2 DB9 male RS232 |

### NETWORKING

|                |           |
|----------------|-----------|
| Ethernet       | 1000 Mbps |
| Ethernet Ports | 2         |

### 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 | FreeDOS |
|------------------|---------|

## Ordering Information

| PRODUCT CODE                                               |                                  |                                  |                               |                      |
|------------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------------|
| IPC5-i5_12l-[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                     | 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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