



# Thinvent Industrial PC IPC5

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 64GB DDR4 RAM (2 x 32GB)

## 256GB SSD

## No WiFi

## Windows 11 Pro

SKU: IPC5-I7\_12L-32\_32-M256-12\_7-X-11P-0



Unleash relentless computing power in the harshest industrial environments.

### Engineered for Demanding Applications

This high-performance, rugged IPC is built to drive the most advanced industrial automation, precision machine vision, and intelligent edge computing tasks. Its robust, fanless design ensures silent, maintenance-free operation where dust, vibration, and extreme temperatures would halt ordinary computers.

### Built Rugged, Designed Smart

Encased in a sleek, anodised dark grey aluminium chassis, this PC is as tough as it looks. The completely silent passive cooling system eliminates moving parts, providing ultimate reliability for continuous, 24/7 operation. With dual Ethernet and legacy serial ports, it seamlessly integrates into both modern and existing industrial networks, offering unparalleled connectivity.

### Why Choose the IPC5

- Experience robust, fault-tolerant performance for critical control and data processing.
- Deploy confidently in demanding settings from factory floors to outdoor enclosures.
- Leverage a future-proof platform designed and built for the complexities of Industry 4.0.
- Support innovation with a 100% India-designed industrial computing solution.

Forget compromise. Choose a powerhouse engineered for endurance.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i7      |
| Processor Brand | Intel   |
| Processor Model | 1255U   |
| Cores           | 10      |
| Max Frequency   | 4.7 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     | 3                |
| Front Serial Port | 2 DB9 male RS232 |
| RS485 Option      | 1                |

### 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 | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

| PRODUCT CODE                                               |                                  |                                  |                               |                |
|------------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------|
| IPC5-i7_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          |                |

[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

