



# Thinvent Industrial PC IPC5

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## DOS

SKU: IPC5-I7\_12L-16-M512-12\_5-M-DOS-0



Unleash industrial power, built to endure.

Meet the Thinvent IPC5: the robust, high-performance engine for your most demanding applications. Designed from the ground up for relentless environments, this fanless industrial PC delivers unwavering reliability where it matters most.

### Built for demanding environments

- Engineered for 24/7 operation in challenging conditions with a rugged, fanless aluminium chassis.
- Advanced thermal management ensures silent, dust-resistant performance for ultimate reliability.
- Features a comprehensive array of connectivity ports to seamlessly integrate with legacy and modern industrial equipment.

### Your hub for advanced automation

- Provides the substantial processing power needed for complex machine vision, data acquisition, and real-time control systems.
- Acts as a powerful edge computing node, processing data locally for faster insights and reduced network latency.
- A versatile cornerstone for sophisticated industrial automation, IoT gateways, and digital signage solutions.

Proudly engineered and 100% designed in India, the IPC5 combines intelligent performance with rugged dependability in a sleek, anodised grey enclosure. It's more than a computer; it's the durable brain for your intelligent operations.



# Thinvent Industrial PC IPC5



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i7      |
| Processor Brand | Intel   |
| Processor Model | 1255U   |
| Cores           | 10      |
| Max Frequency   | 4.7 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 512 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                             |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 | 2.83kg, 3.25kg          |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

## PRODUCT CODE

IPC5-i7\_12l-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

|             |                                         |                                         |                                      |                       |
|-------------|-----------------------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                     | <b>m256</b> = 256GB                     |                                      |                       |
|             | <b>m512</b> = 512GB                     | <b>m1024</b> = 1TB                      |                                      |                       |
| Wireless    | <b>m</b> = Dual Band WiFi               | <b>X</b> = No WiFi                      |                                      |                       |
| OS          | <b>DOS</b> = DOS                        | <b>W_OS</b> = Without OS                |                                      |                       |
|             | <b>11V</b> = Windows 11 IoT Value       | <b>11P</b> = Windows 11 Pro             |                                      |                       |
|             | <b>Thinix</b> = Thinix™ Embedded Linux  | <b>U</b> = Ubuntu Linux                 |                                      |                       |
| Accessories | <b>0</b> = None                         | <b>4S</b> = 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

