



# Thinvent Industrial PC IPC5

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 16GB DDR4 RAM

## 2TB SSD

## Dual Band WiFi

## Windows 11 Pro

SKU: IPC5-I7\_12L-16-M2048-12\_5-M-11P-0



Unleash the next wave of industrial intelligence.

### Built for the most demanding environments

- Conquer complex automation and real-time analytics with effortless processing power.
- Deploy with confidence in harsh conditions, thanks to its rugged, fanless aluminium design.
- Connect everything you need with extensive legacy and modern I/O options.

### Your robust partner at the edge

This high-performance industrial PC thrives where it matters most. Engineered for advanced machine vision, seamless edge computing, and relentless automation tasks, it delivers unwavering reliability without the bulk or noise of cooling fans. Its sleek, anodised grey chassis houses exceptional connectivity, ensuring seamless integration into any existing setup. Proudly 100% designed in India, it's the robust, powerful foundation for your smart industrial future.



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

## Ordering Information

| PRODUCT CODE                                               |                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IPC5-i7_121-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] |                                                                                                                                                                                                                                         |
| RAM                                                        | <div>4 = 4GB DDR4</div> <div>8 = 8GB DDR4</div> <div>16 = 16GB DDR4</div> <div>32 = 32GB DDR4</div> <div>32_32 = 64GB DDR4 RAM (2 x 32GB)</div> <div>16_16 = 32GB DDR4 RAM (2 x 16GB)</div> <div>8_8 = 16GB DDR4 RAM (2 x 8GB)</div>    |
| SSD                                                        | <div>m128 = 128GB</div> <div>m512 = 512GB</div> <div>m2048 = 2TB</div> <div>m256 = 256GB</div> <div>m1024 = 1TB</div>                                                                                                                   |
| Wireless                                                   | <div>m = Dual Band WiFi</div> <div>X = No WiFi</div>                                                                                                                                                                                    |
| OS                                                         | <div>DOS = DOS</div> <div>11V = Windows 11 IoT Value</div> <div>110 = Windows 11 Professional</div> <div>U = Ubuntu Linux</div> <div>W_OS = Without OS</div> <div>11P = Windows 11 Pro</div> <div>Thinux = Thinux™ Embedded Linux</div> |
| Accessories                                                | <div>0 = None</div> <div>4S = Quad DB9 Serial</div>                                                                                                                                                                                     |

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