



# Thinvent Industrial PC IPC5

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 32GB DDR4 RAM (2 x 16GB)

## 512GB SSD

## No WiFi

## Without OS

## Quad DB9 Serial

SKU: IPC5-I7\_12L-16\_16-M512-12\_7-X-W\_OS-4S



Engineered for the relentless pace of modern industry.

### Unmatched Power for Critical Automation

Harness serious processing muscle to tackle demanding applications without hesitation. This fanless industrial PC delivers the robust performance required for advanced machine vision, real-time analytics, and complex edge computing tasks, ensuring your operations keep moving forward.

### Built Rugged, Runs Reliably

Designed to thrive where others fail. Its solid, fanless aluminium construction eliminates dust-clogged fans and moving parts, offering silent, maintenance-free operation in harsh environments. From the factory floor to outdoor installations, it provides steadfast reliability day in and day out.

### Maximum Connectivity for Seamless Integration

Ready to connect to your existing ecosystem. With abundant serial ports and dual network capability, it effortlessly interfaces with legacy machinery, PLCs, and modern networks, simplifying system integration and giving you greater control over your industrial processes.

### A Proud Statement of Indian Ingenuity

100% designed in India, this industrial PC combines global performance standards with deep understanding of local industrial challenges. Its sleek, anodised dark grey finish reflects a commitment to quality and durability that stands the test of time and tough conditions.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i7      |
| Processor Brand | Intel   |
| Processor Model | 1255U   |
| Cores           | 10      |
| Max Frequency   | 4.7 GHz |
| Cache           | 12 MB   |
| Main Memory     | 32 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 |
| Rear Serial Port  | 4 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 | Without OS |
|------------------|------------|

## Ordering Information

## PRODUCT CODE

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

|             |                                                                                                 |                                                                                    |                                                               |                       |
|-------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4<br><b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)                                  | <b>8</b> = 8GB DDR4<br><b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)                     | <b>16</b> = 16GB DDR4<br><b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB<br><b>m512</b> = 512GB                                                      | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB                                          |                                                               |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                                                                       |                                                                                    | <b>X</b> = No WiFi                                            |                       |
| OS          | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinix</b> = Thinix™ Embedded Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux |                                                               |                       |
| Accessories | <b>0</b> = None                                                                                 |                                                                                    | <b>4S</b> = Quad DB9 Serial                                   |                       |

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