



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## Dual LAN

## 16GB DDR4 RAM (2 x 8GB)

## 512GB SSD

## Dual Band WiFi

## Windows 11 Pro

## Quad DB9 Serial



SKU: IPC3-I3\_12L-8\_8-M512-12\_5-M-11P-4S

Engineered for resilience, built for relentless performance.

### Uncompromising reliability for demanding environments

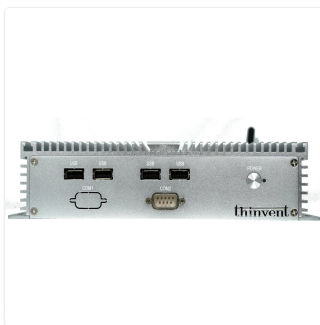
Discover the IPC3, the industrial computer that thrives where others falter. Its rugged, fanless design ensures silent, dust-proof operation in the toughest conditions, from factory floors to remote IoT installations. This is the steadfast digital heart for your 24/7 operations.

### A powerhouse of seamless connectivity

Simplify your system integration. With multiple serial ports and dual LAN, this PC effortlessly communicates with legacy machinery and modern networks simultaneously. Stay connected wirelessly for flexible deployment, ensuring your data flows uninterrupted.

### Smart, efficient, and proudly crafted

Experience responsive control and efficient multitasking, enabling smoother automation and data handling. Its robust aluminium chassis offers superior durability with a sleek, anodised finish. This is more than a component; it's a reliable partner, designed and built with pride in India to support your critical applications day in and day out.



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 512 GB  |

### DISPLAY

|      |   |
|------|---|
| HDMI | 1 |
| VGA  | 1 |

### AUDIO

|             |   |
|-------------|---|
| Speaker Out | 1 |
| Mic In      | 1 |

### CONNECTIVITY

|                   |                  |
|-------------------|------------------|
| USB 3.2           | 2                |
| Front USB 2.0     | 4                |
| Front Serial Port | 2 DB9 male RS232 |
| Rear Serial Port  | 4 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           | 200mm × 184mm × 52mm    |
| Packing Dimensions   | 340mm × 235mm × 105mm   |
| Housing Material     | Aluminium               |
| Housing Finish       | Anodised                |
| Housing Colour       | Silver                  |
| Net and Gross Weight | 2.45kg, 2.87kg          |

### OPERATING SYSTEM

|                  |                          |
|------------------|--------------------------|
| Operating System | Microsoft Windows 11 Pro |
|------------------|--------------------------|

## Ordering Information

| PRODUCT CODE                                               |                                  |                                  |                               |                      |
|------------------------------------------------------------|----------------------------------|----------------------------------|-------------------------------|----------------------|
| IPC3-i3_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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