



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-I5_13-64-M128-12_5-M-11V-4S



Unleash Unrivaled Power and Precision at the Industrial Edge.

The Thinvent® Industrial PC IPC5 is engineered for the future of industrial automation. This high-performance, rugged, and fanless IPC, 100% designed in India, delivers unparalleled reliability and extensive connectivity for your most demanding applications.

Processing Power

Experience breakthrough performance with the Intel® Core™ i5-1335U processor, boasting 10 cores and an astounding 4.6 GHz max frequency, backed by 12 MB cache. Coupled with 32GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 effortlessly handles advanced industrial automation, complex machine vision, and cutting-edge AI/ML edge computing tasks.

Connectivity and Versatility

Designed for supreme versatility, the IPC5 offers a rich array of I/O, ensuring seamless integration with legacy and modern industrial peripherals.

Key connectivity options include

- Six DB9 male RS232 serial ports
- HDMI: 1
- VGA: 1
- Speaker Out: 1

- Mic In: 1
- USB 3.2: 2
- USB 2.0: 2
- Ethernet: 1000 Mbps
- Wireless Networking: Dual Band Wi-Fi 5 (802.11ac)

This extensive connectivity ensures your systems are always synchronized and responsive.

Robust Design and Reliability

Built to thrive in harsh environments, the IPC5 features a robust fanless design that eliminates dust ingress and moving parts, ensuring silent, maintenance-free operation across an impressive 0°C to 50°C temperature range and 20% to 80% non-condensing humidity. Its compact 197mm x 210mm x 65mm anodized dark grey aluminium housing is both durable and aesthetically refined, meeting RoHS and ISO certifications for quality and environmental responsibility. Powering this powerhouse is a stable 12V 7A adapter with wide AC input (100~275V).

Operating System

Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC5 provides a secure, reliable, and familiar platform for your industrial applications.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 64 GB |
| SSD Storage | 128 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 |
| USB 2.0 | 2 |
| Front USB 2.0 | 4 |
| Front Serial Port | 2 DB9 male RS232 |
| Rear Serial Port | 4 DB9 male RS232 |

NETWORKING

| | |
|---------------------|-------------------------------|
| Ethernet | 1000 Mbps |
| 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 | 2.72kg, 3.14kg |

OPERATING SYSTEM

| | |
|------------------|---|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

Ordering Information

| PRODUCT CODE | |
|--|--|
| IPC5-i5_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | 4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None 4S = Quad DB9 Serial |

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