



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

8GB DDR4 RAM

128GB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-I5_13-8-M128-12_5-X-W_OS-4S



Unleash Unrivaled Performance for the Toughest Industrial Frontiers.

The Thinvent® Industrial PC IPC5 redefines industrial computing with a blend of raw power, rugged design, and extensive connectivity, all 100% designed in India. This high-performance, fanless powerhouse is engineered for the most demanding applications, including advanced industrial automation, machine vision, and edge computing.

Key Advantages

- Unmatched Processing Power:
 - At its core, an Intel® Core™ i5-1335U processor, a 10-core marvel clocking up to 4.6 GHz with a 12 MB cache, ensures blazing-fast execution for complex algorithms and real-time data processing.
- Seamless Operation:
 - Efficient 4GB DDR4 RAM handles intensive multitasking, while a colossal 1TB SSD provides lightning-fast storage for critical applications and data.
- Superior Connectivity:
 - Featuring an exceptional six DB9 RS232 serial ports, this IPC offers unparalleled compatibility for legacy industrial devices and extensive sensor integration.

- Dual display support with HDMI and VGA outputs.
- Four USB ports (2x 3.2, 2x 2.0) and a robust 1000 Mbps Ethernet port ensure versatile peripheral and network integration.
 - Built for Endurance:
 - Its rugged, fanless aluminium housing with a smooth, dark grey anodised finish dissipates heat efficiently, ensuring silent, maintenance-free operation in challenging environments from 0°C to 50°C and 20% to 80% non-condensing humidity.
 - Adhering to RoHS and ISO certifications, the IPC5 guarantees reliability and compliance.
 - Flexible Deployment:
 - Delivered without an operating system, it offers complete freedom to install your preferred industrial OS, perfectly tailoring it to your unique needs.
 - A wide range 100~275V AC power input with a 12V 7A adapter ensures stable power globally.

The Thinvent® IPC5 stands as a testament to cutting-edge engineering, providing the robust, high-performance foundation your industrial operations demand.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1335U |
| Cores | 10 |
| Max Frequency | 4.6 GHz |
| Cache | 12 MB |
| Main Memory | 8 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 |
|----------|-----------|

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 | Without OS |
|------------------|------------|

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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