



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

Without OS

SKU: IPC5-I5_14-8-M512-12_5-X-W_OS-0



Unleash Unrivaled Power: The Industrial Edge Redefined.

Introducing the Thinvent® Industrial PC IPC5, a powerhouse meticulously engineered for the most demanding industrial environments. This high-performance, rugged, and fanless IPC delivers exceptional computing power, extensive connectivity, and rock-solid reliability, all proudly 100% designed in India.

Unmatched Performance

At its core lies the Intel® Core™ 5 120U processor, boasting 10 cores, speeds up to 5.0 GHz, and a 12 MB cache, perfectly complemented by a robust 32GB DDR4 RAM and a rapid 128GB SSD. This formidable combination ensures seamless operation for advanced industrial automation, complex machine vision, and intensive edge computing applications.

Industrial Strength and Reliability

Experience unparalleled durability with its premium fanless design, encased in a sleek, smooth anodised dark grey aluminium housing. This silent, dust-proof construction withstands challenging operating temperatures from 0°C to 50°C and humidity, guaranteeing consistent performance without maintenance worries.

Extensive Connectivity

Connectivity is comprehensive for your industrial needs

- Dual HDMI, VGA, Speaker Out, Mic In for versatile display and audio.
- Two USB 3.0 and two USB 2.0 ports for diverse peripheral integration.
- Blazing-fast 1000 Mbps Ethernet for critical network communication.

Robust Power and Integration

Powering this unit is a 12V 7A adapter with a 2-metre cable, drawing stable power from 100~275V AC. Certified with RoHS and ISO standards, the compact 197mm x 210mm x 65mm dimensions ensure easy integration. Delivered Without OS, it offers maximum flexibility for your preferred software environment.



Specifications

PROCESSING

| | |
|-----------------|--------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 8 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 2 |
| VGA | 1 |

AUDIO

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

CONNECTIVITY

| | |
|-------------------|------------------|
| USB 3.0 | 2 |
| USB 2.0 | 2 |
| Front USB 2.0 | 3 |
| Front Serial Port | 2 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 | 2.43kg, 2.85kg |

OPERATING SYSTEM

| | |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

Ordering Information

| PRODUCT CODE | |
|--|--|
| IPC5-i5_14-[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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