



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

256GB SSD

No WiFi

Ubuntu Linux

SKU: IPC5-I5_14-64-M256-12_5-X-U-0



Unleash Industrial Power: The IPC5 - Rugged, Relentless, Ready.

Introducing the Thinvent® Industrial PC IPC5

Experience unparalleled performance and reliability with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse meticulously 100% designed and made in India.

Unrivaled Performance

Engineered for the most demanding tasks, the IPC5 boasts an Intel® Core™ 5 120U processor with 10 cores, blazing up to 5.0 GHz and a 12 MB cache. Coupled with 16GB DDR4 RAM and a rapid 256GB SSD, it delivers the raw processing power required for advanced industrial automation, complex machine vision, and sophisticated edge computing applications.

Extensive Connectivity Options

Stay connected in every scenario. The IPC5 offers exceptional versatility with dual HDMI and a VGA port for extensive display options, two USB 3.0 and two USB 2.0 ports, a high-speed 1000 Mbps Ethernet connection, and dedicated speaker out and mic in jacks. Note: No WiFi for enhanced security and stability in critical environments.

Robust & Elegant Design

Built to endure, its robust, fanless design ensures silent, reliable operation across a wide 0°C to 50°C temperature range and 20% to 80% non-condensing humidity. Housed in a smooth, dark grey anodised aluminium chassis (197mm x 210mm x 65mm), the IPC5 combines industrial strength with a sleek aesthetic. RoHS and ISO certifications guarantee its quality and environmental compliance.

Operating System & Power

Pre-installed with Ubuntu Linux 24.04 LTS, the IPC5 provides a stable, secure, and open-source platform. Power it reliably with the included 12V 7A adapter, supporting global power inputs (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum) via a 2-metre cable.



Specifications

PROCESSING

| | |
|-----------------|--------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 64 GB |
| SSD Storage | 256 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 | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

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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