



Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

16GB DDR5 RAM

32GB SSD

Dual Band WiFi

Without OS

Quad DB9 Serial



SKU: IPC5-CU5_14L-16_5-M32-12_5-M-W_OS-4S

Engineer the Edge with Unmatched Reliability: The Thinvent IPC5.

Built for the harshest industrial environments, the Thinvent IPC5 delivers silent, powerful computing without compromise. Its fanless, rugged aluminium chassis ensures flawless operation in dusty, humid, and demanding settings where others fail.

Unleash Your Automation Potential

This powerhouse is engineered to drive complex operations. With its high-performance Intel processing, it effortlessly handles demanding tasks like real-time machine vision, data acquisition, and advanced edge computing. Dual Gigabit Ethernet and multiple serial ports provide seamless connectivity to your legacy and modern equipment, keeping your entire production line in perfect sync.

Why Choose the Thinvent IPC5

- Rugged, fanless design for 24/7 reliability in extreme conditions.
- Exceptional processing power to tackle advanced automation and analytics.
- Extensive connectivity for effortless integration into any industrial ecosystem.
- A robust, 100% India-designed platform built for longevity and performance.

Step into the future of industrial control with the robust, high-performance Thinvent IPC5.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 14th |
| Series | Ultra 5 |
| Processor Brand | Intel |
| Processor Model | 125U |
| Cores | 12 |
| Max Frequency | 4.3 GHz |
| Cache | 12 MB |
| Main Memory | 16 GB |
| SSD Storage | 32 GB |

DISPLAY

| | |
|----------|---|
| HDMI 2.0 | 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 | 2 |
| 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 | 197mm × 210mm × 65mm |
| Packing Dimensions | 340mm × 235mm × 105mm |
| Housing Material | Aluminium |
| Housing Finish | Anodised |
| Housing Colour | Dark Grey |
| Net and Gross Weight | 2.83kg, 3.25kg |

OPERATING SYSTEM

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

Ordering Information

| PRODUCT CODE | | | |
|--|---|-------------------------|--|
| IPC5-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 8_5 = 8GB DDR5 | 16_5 = 16GB DDR5 | 32_5 = 32GB DDR5 |
| SSD | m128 = 128GB m32 = 32GB m1024 = 1TB | | m256 = 256GB m512 = 512GB |
| Wireless | m = Dual Band WiFi | | X = No WiFi |
| OS | DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux | | W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux |
| Accessories | 0 = None | | 4S = Quad DB9 Serial |

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