



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

1TB SSD

No WiFi

DOS

SKU: IPC5-I5_14-64-M1024-12_5-X-DOS-0



Unleash Unrivaled Industrial Performance with the Thinvent IPC5.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse engineered for demanding environments. Proudly 100% designed in India, the IPC5 combines raw processing might with exceptional durability and extensive connectivity, making it ideal for advanced industrial automation, machine vision, and edge computing applications.

Processing Prowess

Harness extreme processing power with the Intel® Core™ 5 120U processor, boasting

- 10 cores for superior multitasking
- Up to 5.0 GHz max frequency for lightning-fast operations
- 12 MB cache for accelerated data access

Paired with a massive 32GB DDR4 RAM and a rapid 128GB SSD, the IPC5 delivers unparalleled performance for complex workloads.

Rugged Reliability

Designed to thrive where others falter, the IPC5 features

- A fanless design for silent, maintenance-free operation in dusty or harsh conditions
- Robust aluminium housing with a smooth, dark grey anodised finish for exceptional durability and a premium look

- Wide operating temperature range: 0°C ~ 50°C
- Operating humidity: 20% ~ 80% RH, non condensing
- Certifications: RoHS, ISO, ensuring quality and environmental compliance

Its compact dimensions of 197mm x 210mm x 65mm allow for seamless integration into any setup.

Comprehensive Connectivity

The IPC5 offers extensive I/O options for versatile integration

- 2 HDMI ports and 1 VGA port for multiple display outputs
- 2 USB 3.0 and 2 USB 2.0 ports for high-speed peripheral connections
- 1000 Mbps Ethernet for reliable network access
- Dedicated Speaker Out and Mic In for audio capabilities

Power and OS

- Efficient 12V 7A DC power adapter with wide 100~275V AC input (50~60 Hz, 1.5A max)
- Ships with FreeDOS, providing a clean slate for your chosen industrial operating system.

Elevate your operations with the Thinvent IPC5 – where power meets industrial-grade resilience.



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 | 1024 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 | FreeDOS |
|------------------|---------|

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 |

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

