



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

256GB SSD

Dual Band WiFi

DOS

SKU: IPC5-I5_14-8-M256-12_5-M-DOS-0



Thinvent IPC5: Unyielding Power, Unrivaled Reliability for Industry 4.0.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering resilience, this fanless IPC is the robust heart your advanced automation, machine vision, and edge computing demands.

Performance Redefined

- Harness the raw power of the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with 12 MB cache for seamless multitasking and rapid data processing.
- With 8GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 ensures quick boot times and fluid operation for your most demanding applications.

Built for the Edge

- Its rugged, fanless design eliminates moving parts, guaranteeing silent, dust-free, and maintenance-free operation in challenging industrial environments from 0°C to 50°C.
- The durable, dark grey anodised aluminium housing provides superior protection and a sleek, professional finish.

- Certified RoHS and ISO compliant, ensuring quality and environmental responsibility.

Comprehensive Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a Gigabit Ethernet port for high-speed networking.
- Extensive I/O includes 2 HDMI and 1 VGA port for triple display support, 2 USB 3.0, 2 USB 2.0, Speaker Out, and Mic In.
- A wide 100~275V AC power input with a 12V 7A adapter ensures reliable power in diverse settings.

Proudly Indian Innovation

- This compact, high-performance IPC is 100% designed in India, reflecting a commitment to local innovation and global standards.
- Pre-installed with FreeDOS, allowing flexible OS deployment to suit your specific needs.

Elevate your industrial operations with the Thinvent IPC5 – where power meets precision and durability.



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 | 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 |
| 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 | 2.43kg, 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 |

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