



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

128GB SSD

No WiFi

DOS

SKU: IPC5-I5\_14-16-M128-12\_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

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Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	128 GB

### DISPLAY

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HDMI	2
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

### CONNECTIVITY

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USB 3.0	2
USB 2.0	2
Front USB 2.0	3
Front Serial Port	2 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
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### POWER

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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

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Operating Temperature	0°C ~ 50°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	RoHS, ISO

### PHYSICAL

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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

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Operating System	FreeDOS
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## Ordering Information

PRODUCT CODE	
<b>IPC5-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
RAM	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
SSD	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB
Wireless	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
OS	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux
Accessories	<b>0</b> = None <b>4S</b> = Quad DB9 Serial

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