



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## DOS

SKU: IPC5-I5\_14-16-M512-12\_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

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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	512 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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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