



# Thinvent Industrial PC IPC5

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 1TB SSD

## No WiFi

## Thinix Embedded Linux

SKU: IPC5-I5\_14-16-M1024-12\_5-X-THINUX-0



Unrivaled Power. Unyielding Reliability. Designed for Tomorrow's Industry.

Elevate your industrial operations with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution meticulously 100% designed in India. Engineered for demanding environments, the IPC5 is your robust partner for advanced industrial automation, precision machine vision, and powerful edge computing.

### Exceptional Performance

- Harness the formidable Intel® Core™ 5 120U processor with a blazing 10 cores, clocking up to 5.0 GHz and backed by a 12 MB cache.
- Seamlessly manage complex tasks with 4GB DDR4 RAM and rapid data access from a 256GB SSD.

### Built for Durability

- Experience unwavering operation in challenging conditions with a fanless design, preventing dust and debris ingress.
- Its sleek, dark grey anodised aluminium housing offers superior protection and a smooth finish, enduring temperatures from 0°C to 50°C.
- Certified for RoHS and ISO compliance, ensuring robust industrial reliability.

### Versatile Connectivity

- Expand your visual workspace with 2 HDMI and 1 VGA output.
- Connect essential peripherals via 2 USB 3.0 and 2 USB 2.0 ports.
- Ensure stable, high-speed network integration with Gigabit Ethernet.

### Intuitive Thinix™ Embedded Linux OS

- Leverage the secure Thinvent® Thinix™ Embedded Linux for unparalleled flexibility.
- Access remote displays with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management, VNC shadowing, and support for Java, Python, and glibc applications.
- Includes essential tools like LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

The IPC5 provides the power and resilience required for your most critical industrial applications, empowering innovation at the edge.



## 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	1024 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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

## 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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