



# 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

## Ubuntu Linux

SKU: IPC5-I5\_14-16-M128-12\_5-X-U-0



Unleash Industrial Power: The IPC5 - Rugged, Relentless, Ready.

### Introducing the Thinvent® Industrial PC IPC5

Experience unparalleled performance and reliability with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse meticulously 100% designed and made in India.

#### Unrivalled Performance

Engineered for the most demanding tasks, the IPC5 boasts an Intel® Core™ 5 120U processor with 10 cores, blazing up to 5.0 GHz and a 12 MB cache. Coupled with 16GB DDR4 RAM and a rapid 256GB SSD, it delivers the raw processing power required for advanced industrial automation, complex machine vision, and sophisticated edge computing applications.

#### Extensive Connectivity Options

Stay connected in every scenario. The IPC5 offers exceptional versatility with dual HDMI and a VGA port for extensive display options, two USB 3.0 and two USB 2.0 ports, a high-speed 1000 Mbps Ethernet connection, and dedicated speaker out and mic in jacks. Note: No WiFi for enhanced security and stability in critical environments.

### Robust & Elegant Design

Built to endure, its robust, fanless design ensures silent, reliable operation across a wide 0°C to 50°C temperature range and 20% to 80% non-condensing humidity. Housed in a smooth, dark grey anodised aluminium chassis (197mm x 210mm x 65mm), the IPC5 combines industrial strength with a sleek aesthetic. RoHS and ISO certifications guarantee its quality and environmental compliance.

### Operating System & Power

Pre-installed with Ubuntu Linux 24.04 LTS, the IPC5 provides a stable, secure, and open-source platform. Power it reliably with the included 12V 7A adapter, supporting global power inputs (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum) via a 2-metre cable.



## 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	Ubuntu Linux 24.04 LTS
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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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