



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

SKU: IPC5-I5_14-16-M512-12_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

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

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
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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	Ubuntu Linux 24.04 LTS
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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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