



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5_14-32-M2048-12_7-M-U-0



Unyielding Power, Unmatched Precision: The Future of Industrial Computing.

Introducing the Thinvent® Industrial PC IPC5: a high-performance, rugged, and fanless powerhouse, meticulously designed and 100% made in India for the most demanding industrial environments. Its dark grey anodized aluminum housing not only ensures durability but also offers a sleek, professional finish.

Unrivalled Performance

At its core, the Intel® Core™ 5 120U processor delivers blistering speed and efficiency with

- 10 Cores
- Up to 5.0 GHz Max Frequency
- 12 MB Cache

Paired with 16GB DDR4 RAM and a blazing-fast 512GB SSD, the IPC5 is engineered for

- Advanced industrial automation
- High-precision machine vision
- Demanding edge computing applications

Built for the Toughest Conditions

The IPC5's robust fanless design guarantees silent, maintenance-free operation and extreme reliability, enduring temperatures from 0°C to 50°C and humidity from 20% to 80% RH. Certified with RoHS and ISO, it meets stringent quality and environmental standards.

Extensive Connectivity

Power your entire setup with a comprehensive array of I/O options

- 2 HDMI and 1 VGA for versatile display configurations
- 2 USB 3.0 and 2 USB 2.0 ports for peripheral expansion
- 1000 Mbps Ethernet for robust wired networking
- Dual-band Wi-Fi 5 (802.11ac) for flexible wireless connectivity
- Speaker Out and Mic In ports

Ready for Deployment

Running on the stable and secure Ubuntu Linux 24.04 LTS, the IPC5 offers a reliable software foundation. It features a compact 197mm × 210mm × 65mm form factor and draws power from a 12V 7A adapter with a wide 100~275V AC input range, ensuring global compatibility and ease of integration.



Thinvent Industrial PC IPC5



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	2048 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	2.53kg, 2.95kg

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
SSD	m128 = 128GB			
	m512 = 512GB			
	m2048 = 2TB			
Wireless	m = Dual Band WiFi			
		X = No WiFi		
OS	DOS = DOS			
	11V = Windows 11 IoT Value			
	110 = Windows 11 Professional			
	U = Ubuntu Linux			
		W_OS = Without OS		
		11P = Windows 11 Pro		
		Thinux = Thinux™ Embedded Linux		
Accessories	0 = None			
		4S = Quad DB9 Serial		

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

