



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

2TB SSD

No WiFi

Without OS

SKU: IPC5-I5_14-16-M2048-12_5-X-W_OS-0



Unleash Unrivalled Power: The Industrial Edge Redefined.

Introducing the Thinvent® Industrial PC IPC5, a powerhouse meticulously engineered for the most demanding industrial environments. This high-performance, rugged, and fanless IPC delivers exceptional computing power, extensive connectivity, and rock-solid reliability, all proudly 100% designed in India.

Unmatched Performance

At its core lies the Intel® Core™ 5 120U processor, boasting 10 cores, speeds up to 5.0 GHz, and a 12 MB cache, perfectly complemented by a robust 32GB DDR4 RAM and a rapid 128GB SSD. This formidable combination ensures seamless operation for advanced industrial automation, complex machine vision, and intensive edge computing applications.

Industrial Strength and Reliability

Experience unparalleled durability with its premium fanless design, encased in a sleek, smooth anodised dark grey aluminium housing. This silent, dust-proof construction withstands challenging operating temperatures from 0°C to 50°C and humidity, guaranteeing consistent performance without maintenance worries.

Extensive Connectivity

Connectivity is comprehensive for your industrial needs

- Dual HDMI, VGA, Speaker Out, Mic In for versatile display and audio.
- Two USB 3.0 and two USB 2.0 ports for diverse peripheral integration.
- Blazing-fast 1000 Mbps Ethernet for critical network communication.

Robust Power and Integration

Powering this unit is a 12V 7A adapter with a 2-metre cable, drawing stable power from 100~275V AC. Certified with RoHS and ISO standards, the compact 197mm × 210mm × 65mm dimensions ensure easy integration. Delivered Without OS, it offers maximum flexibility for your preferred software environment.



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	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
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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	Without OS
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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

