



Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM (2 x 16GB)

1TB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-CU5_14L-16_5_16_5-M1024-12_5-M-U-0



The Silent Powerhouse for Demanding Automation

Unleash the next generation of industrial computing. The Thinvent IPC5 combines formidable processing muscle with unwavering ruggedness in a sleek, fanless chassis. Designed to thrive where others falter, it's the reliable core for your most advanced applications.

Engineered for Uncompromising Performance

Forged with the latest Intel® Core™ Ultra power, the IPC5 delivers the speed and intelligence needed for complex tasks without breaking a sweat. Its fanless, all-aluminium design ensures silent, dust-proof operation in harsh environments, from the factory floor to the remote edge.

Connect, Control, and Compute with Confidence

This unit is built to integrate seamlessly. With extensive connectivity ports, dual LAN, and robust wireless capabilities, it effortlessly interfaces with machinery, sensors, and networks. It's the perfect central command for sophisticated machine vision systems, real-time analytics, and industrial automation projects.

A Rugged Partner, Proudly Conceived in India

From its robust dark grey anodised body to its resilient internal design, every aspect is crafted for endurance. This is a premium industrial computer, 100% designed in India to meet the specific challenges of modern industry. Deploy it and forget it—reliability is built in.



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Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	1024 GB

DISPLAY

HDMI 2.0	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Front USB 2.0	2
Front Serial Port	2 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	2.83kg, 3.25kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE				
IPC5-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]				
RAM	8_5 = 8GB DDR5	16_5 = 16GB DDR5	32_5 = 32GB DDR5	32_5_32_5 = 64GB DDR5 RAM (2 x 32GB)
	16_5_16_5 = 32GB DDR5 RAM (2 x 16GB)			
SSD	m128 = 128GB	m256 = 256GB	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
	Thinix = Thinix™ Embedded Linux	U = Ubuntu Linux		
Accessories	0 = None	4S = Quad DB9 Serial		

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