



Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

64GB DDR5 RAM (2 x 32GB)

512GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC5-CU5_14L-32_5_32_5-M512-12_5-X-DOS-4S



Engineered for the Edge: Where Power Meets Unwavering Reliability.

Introducing the Thinvent® IPC5 Industrial PC

Designed for demanding industrial environments, this high-performance computing solution delivers exceptional processing power within an incredibly rugged, fanless chassis. It's built to thrive where others falter, ensuring your critical operations continue without interruption.

Unmatched Durability for Harsh Environments

- Experience total silence and enhanced reliability with advanced fanless passive cooling, eliminating dust ingress and moving part failures.
- Its robust aluminium housing with a smooth anodised finish is built to withstand vibration, shock, and a wide range of operational temperatures.
- A 100% Indian design, precision-engineered for resilience in the most challenging factory and field conditions.

Empower Advanced Industrial Applications

Harness the substantial processing power to drive complex tasks right at the source.

- Perfectly suited for advanced industrial automation, real-time machine vision systems, and intelligent edge computing nodes.
- Extensive connectivity, including multiple serial ports and dual LAN, allows seamless integration with a vast array of machinery, PLCs, and legacy equipment.
- Achieve faster data processing and local decision-making, reducing latency and increasing the efficiency of your entire operation.

Your Trusted Core for Critical Systems

This isn't just a computer; it's the dependable heart of your automated processes. From controlling production lines to analysing sensor data at the edge, the IPC5 provides the steadfast performance and ruggedness required for 24/7 mission-critical applications. Invest in a robust computing foundation designed to perform, day in and day out.



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	64 GB
SSD Storage	512 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
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	FreeDOS
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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		

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

