



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

2TB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-CU5_14L-32_5-M2048-12_5-X-W_OS-4S



Power Through the Toughest Environments: The Rugged Core of Modern Industry.

Engineered for Demanding Applications

Meet the Thinvent® IPC5, a high-performance industrial computer built to deliver relentless processing power where it matters most. This rugged, fanless system is 100% designed in India to master advanced industrial automation, sophisticated machine vision, and critical edge computing tasks without faltering.

Uncompromising Reliability for Your Critical Operations

Its robust, all-aluminium chassis with a smooth anodised grey finish provides superior protection and heat dissipation, ensuring steadfast operation in challenging conditions. The completely silent, fanless design eliminates moving parts, dramatically increasing longevity and preventing dust ingress for maintenance-free dependability.

Advanced Connectivity Drives Efficiency

Boasting extensive legacy and modern I/O, including multiple serial ports and dual Gigabit LAN, the IPC5 seamlessly integrates with a vast array of factory floor equipment, sensors, and networks. This connectivity powerhouse consolidates control, streamlines data acquisition, and brings intelligent processing to the edge of your operations.

Built for the Future of Industry

- Deploy a robust computing core that thrives in harsh, variable environments.
- Execute complex automation and vision processing with consistent, silent power.
- Future-proof your infrastructure with a versatile platform designed for industrial endurance.
- Support domestic innovation with a system meticulously engineered and designed in India.

Choose the IPC5 for a formidable, reliable, and connected industrial computing solution that works as hard as you do.



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	2048 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	Without OS
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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		
	m2048 = 2TB			
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS	W_OS = Without OS		
	11V = Windows 11 IoT Value	11P = Windows 11 Pro		
	110 = Windows 11 Professional	Thinix = Thinix™ Embedded Linux		
	U = Ubuntu Linux			
Accessories	0 = None	4S = Quad DB9 Serial		

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