



Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

512GB SSD

No WiFi

Windows 11 Professional

Quad DB9 Serial

SKU: IPC5-CU5_14L-8_5-M512-12_5-X-11O-4S



Built for the factory floor, ready for the future.

Power that never flinches

The IPC5 brings serious Intel Core Ultra performance to the heart of your operation. It handles complex automation tasks, real-time machine vision, and demanding edge computing workloads without breaking a sweat. So whether you are monitoring production lines, guiding robotic arms, or crunching data at the edge, you get smooth, responsive operation that keeps your processes moving.

Ruggedness you can rely on

This industrial PC is fanless and passively cooled, meaning no moving parts to wear out and no vents to clog. The smooth anodised aluminium case in dark grey shrugs off dust, heat, and vibration, so it thrives in workshops, plant floors, and outdoor enclosures. And with 100% design and engineering from India, it is built to the standards that modern industry demands.

Connectivity that goes beyond

The IPC5 offers more ports and options than you will ever need to worry about. Multiple serial connections let you talk to legacy controllers, weigh scales, and sensors, whilst dual Gigabit LAN keeps you linked to your network. Add USB, HDMI, and VGA, and you can connect displays, cameras, and peripherals with ease. No more



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	8 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	Microsoft Windows 11 Professional
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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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