



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)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC5-CU5_14L-16_5_16_5-M512-12_5-M-11V-4S



Power Through Industry Without Breaking a Sweat.

Meet the Thinvent® IPC5, the industrial powerhouse engineered for the most demanding environments. This fanless, rugged PC delivers relentless computing muscle for your critical operations, with a sleek, 100% India-designed aluminium chassis that stands up to dust, vibration, and round-the-clock use.

Built to Endure

- Its completely fanless, solid-state design means zero moving parts, eliminating dust ingress and mechanical failure for ultimate reliability.
- The robust, anodised dark grey aluminium housing dissipates heat silently and withstands the rigours of the factory floor.
- Engineered to perform consistently in a wide range of temperatures, ensuring your processes never falter.

Connect and Control Everything

- Extensive connectivity, including multiple serial ports and dual LAN, lets you interface seamlessly with a vast array of industrial machinery, PLCs, and legacy equipment.
- With high-speed processing and versatile I/O, it's the perfect central brain for advanced machine vision systems, real-time automation, and intelligent edge computing applications.

Your Intelligent Edge

Transform data into action at the source. The IPC5 provides the robust, high-performance computing foundation needed to run complex analytics and control algorithms right where it matters—reducing latency, increasing efficiency, and driving your Industry 4.0 initiatives forward.



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	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
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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