



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)

256GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-CU5_14L-16_5_16_5-M256-12_5-M-11P-4S



Engineered for the relentless rhythm of industry.

Built for the toughest jobs on the factory floor and beyond, the Thinvent IPC5 delivers uncompromising power in a silent, rugged package. This is the robust computing core for advanced automation where failure is not an option.

Unmatched Power and Reliability

- Experience smooth, responsive performance for complex machine vision, data acquisition, and real-time control systems, keeping your most critical processes running flawlessly.
- Its completely fanless design eliminates dust intrusion and mechanical failure points, ensuring 24/7 operation in harsh, dusty environments without a whisper.
- The robust aluminium chassis with a smooth anodised finish provides superior heat dissipation and stands up to the knocks and vibrations of industrial life.

Ultimate Connectivity for Industrial Integration

- Seamlessly connect to a legacy world with four serial ports while embracing modern networks with dual Gigabit LAN, making integration into existing and new systems effortless.
- Deploy it anywhere as a powerful edge computing node, leveraging built-in dual-band WiFi to gather, process, and transmit data right where it's created.
- Proudly 100% designed in India to meet the specific demands of modern industry, it arrives ready to work with Windows 11 Pro for a familiar, powerful interface.

Stop compromising. Choose the silent, rugged powerhouse built to drive your automation 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	256 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 Pro
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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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