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

256GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial



SKU: IPC5-CU5_14L-8_5-M256-12_7-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.







Thinvent Industrial PC IPC5

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	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	7 Amps
Power Input	100~275 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	200mm × 155mm × 37mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.92kg, 3.72kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro

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Ordering Information

PRODUCT CODE

`IPC5-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

RAM	**8_5** = 8GB DDR5	**16_5** = 16GB DDR5	**32_5** = 32GB DDR5	**32_32_5** = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	**8_8_5** = 16GB DDR5 RAM (2 x 8GB)		
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	
	11O = Windows 11 Professional		**Thinux** = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	**0** = None		**4S** = Quad DB9 Serial	

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