



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

No WiFi

Windows 11 Pro

SKU: IPC5-CU5_14L-16_5_16_5-M256-12_5-X-11P-0



Engineer a more connected, intelligent edge with silent, relentless power.

Built for the most demanding industrial environments, the Thinvent IPC5 is a testament to rugged, high-performance computing. Its fanless, solid-state design ensures flawless operation where dust, vibration, and extreme temperatures would halt ordinary PCs. With superior processing muscle and extensive connectivity, it transforms complex data into decisive action right at the source.

Uncompromising performance for critical operations

- Deploy powerful edge computing and machine vision systems that analyse data in real-time, without latency.
- Drive advanced industrial automation with reliable, 24/7 operation in harsh factory settings.

- Leverage dual LAN ports for robust network redundancy and seamless integration into complex control systems.
- Benefit from versatile legacy and modern I/O to connect to a vast array of machinery, sensors, and peripherals.
- Rely on a robust, all-aluminium chassis with a smooth anodised finish, engineered for durability and efficient heat dissipation.

Proudly 100% designed in India, this industrial PC delivers the robust intelligence your smart operations demand. Install it and forget it—the IPC5 works tirelessly so you can focus on innovation.



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
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 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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