



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)

1TB SSD

No WiFi

Without OS

SKU: IPC5-CU5_14L-16_5_16_5-M1024-12_5-X-W_OS-0



Unleash Next-Gen Power at the Industrial Edge.

Meet the Thinvent IPC5: The robust, high-performance industrial PC engineered for demanding environments where reliability is non-negotiable. This fanless powerhouse, designed and built in India, delivers unwavering computing muscle for your most critical operations without the vulnerabilities of moving parts.

Built for Demanding Applications

- Engineered to excel in advanced industrial automation, sophisticated machine vision systems, and intelligent edge computing deployments.
- Its rugged, fanless aluminium chassis ensures silent, dust-proof operation across a wide temperature range, built for 24/7 durability.

- Enjoy superior connectivity with dual Gigabit Ethernet ports and legacy serial support, seamlessly integrating with both modern and existing industrial equipment.

Why Choose the IPC5

- Deploy a compact, utterly reliable computing core that thrives where standard PCs fail, from factory floors to remote installations.
- Leverage serious processing power to drive complex tasks and real-time data processing right where it's needed most.
- Invest in a streamlined, professional solution with a sleek anodised grey finish, designed for performance without compromise.



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	1024 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	Without OS
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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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