



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

Dual Band WiFi

Without OS

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



Unleash industrial power in a silent, rugged package.

Meet the IPC5, a high-performance industrial PC engineered for the most demanding applications. Built for relentless environments, its fanless, solid-state design ensures flawless 24/7 operation without the risk of dust intrusion or mechanical failure. Experience the robust power needed for advanced machine vision, complex automation, and intelligent edge computing.

Built to endure

- Engineered for 100% reliable operation in harsh industrial settings, from factory floors to outdoor installations.
- A sleek, anodised dark grey aluminium chassis provides superior durability and heat dissipation.
- Fanless passive cooling guarantees silent running and eliminates points of failure for maximum uptime.

Engineered for real-world connectivity

- Effortlessly integrate with legacy systems and modern peripherals thanks to a comprehensive suite of ports.
- Dual Gigabit Ethernet ensures robust, high-speed network communication critical for automation and data transfer.
- Built-in dual-band Wi-Fi offers flexible deployment options without compromising on network stability.

Purpose-built performance

- Harness substantial processing power to handle data-intensive tasks at the edge, from real-time analytics to control systems.
- A proudly 100% Indian-designed solution, created with an intrinsic understanding of local industrial challenges and environments.
- Delivers the dependable, rugged foundation required to drive innovation and efficiency in your operations.



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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
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	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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