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

Without OS



SKU: IPC5-CU5_14L-16_16_5-M256-12_7-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	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
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	Without OS

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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	

www.thinvent.in sales@thinvent.in +91-11-430-77467 +91-99903-44251

R&D and Manufacturing
#11 Sports Complex
Salvador Do Mundo
North Goa - 403101, India

Sales
UGF-10-A Omaxe Gurgaon Mall
Sector 49, Sohna Road
Gurgaon - 122018, India