



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)

512GB SSD

Dual Band WiFi

DOS

Quad DB9 Serial

SKU: IPC5-CU5_14L-16_5_16_5-M512-12_5-M-DOS-4S



Built for the relentless rhythm of industry: The Thinvent IPC5 Industrial PC.

Unmatched power for the modern factory floor

Harness the advanced processing might of Intel® Core™ Ultra to drive complex automation, high-speed machine vision, and intelligent edge computing tasks. Experience seamless multitasking and rapid data handling that keeps your most demanding applications running without a hitch.

Rugged reliability in a silent, sleek design

Engineered for 24/7 operation in harsh environments, its robust fanless aluminium chassis ensures complete silence and immunity to dust. The smooth anodised finish isn't just for looks—it provides superior durability in conditions where other computers would fail.

Ultimate connectivity for seamless integration

With dual LAN, multiple serial ports, and comprehensive I/O, this unit is the ultimate hub. Easily connect to a vast array of legacy machinery, modern sensors, and network infrastructure, simplifying your setup and future-proofing your investment.

Designed for India, built for the world

Proudly 100% designed in India to meet the specific challenges of industrial environments everywhere. It's the dependable, high-performance computing core you need to innovate, automate, and elevate your operations.



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	512 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	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	FreeDOS
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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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