



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

Windows 11 IoT Value

SKU: IPC5-CU5_14L-16_5_16_5-M1024-12_5-M-11V-0



Unleash the future of industrial computing.

Engineered for the demanding edge

Harnessing the power of a next-generation Intel® processor, this high-performance industrial PC delivers the computational muscle for advanced tasks. It thrives where it matters most, enabling faster data processing and real-time analytics at the very edge of your operations.

Built rugged, designed for reliability

Its fanless, solid-state design is the epitome of durability. Encased in a sleek, anodised aluminium chassis, it operates silently and resists dust, vibration, and extreme temperatures. This means uninterrupted performance in harsh factory environments, eliminating the single point of failure of a mechanical fan.

Connect, control, and compute

With a comprehensive suite of legacy and modern I/O ports, including dual LAN and serial connections, it seamlessly integrates into complex industrial ecosystems. It's the perfect central nervous system for sophisticated machine vision systems, precision automation lines, and critical edge computing applications.

Proudly conceived and crafted in India, the Thinvent IPC5 is more than a computer—it's a robust, intelligent partner engineered to drive your productivity forward, 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
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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