



Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

128GB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial



SKU: IPC5-CU5_14L-8_5-M128-12_5-X-11V-4S

Unleash the future of industrial automation, designed for India.

Engineered for the harshest environments, the Thinvent® IPC5 is your cornerstone for relentless performance. This fanless marvel delivers silent, maintenance-free operation, eliminating dust and vibration concerns to ensure flawless 24/7 uptime.

Core strengths

- ****Power meets precision:**** Harness advanced processing muscle to seamlessly handle demanding tasks like real-time machine vision, complex data acquisition, and intelligent edge computing. It's built to think fast and act faster.

- ****Rugged reliability:**** Its robust, all-aluminium chassis with a smooth anodised finish is built to withstand shock, vibration, and extreme temperatures. This is durability you can depend on, day in and day out.
- ****Unmatched connectivity:**** With multiple serial ports and dual LAN, it's the ultimate hub for legacy machinery and modern networks, simplifying integration and future-proofing your operations.

Ideal for advanced industrial automation, digital signage control, and ruggedised kiosks. This is high-performance computing, hardened for reality.



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	8 GB
SSD Storage	128 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

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
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB		m256 = 256GB m512 = 512GB
Wireless	m = Dual Band WiFi		X = No WiFi
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux
Accessories	0 = None		4S = Quad DB9 Serial

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