



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

No WiFi

Thinux Embedded Linux

SKU: IPC5-CU5_14L-16_5_16_5-M512-12_5-X-THINUX-0



Unleash robust performance at the industrial edge.

Engineered for the Demanding Environment

Meet the Thinvent IPC5, a powerhouse of reliability built for continuous operation. Its fanless, aluminium chassis provides silent, rugged durability in dusty or volatile settings, ensuring zero downtime. The anodised dark grey finish offers a sleek, professional look that withstands the rigours of the factory floor.

Purpose-Built for Advanced Applications

This isn't just a computer; it's the intelligent core for your most critical operations. With substantial processing muscle and versatile connectivity, it is perfectly suited for

- Driving sophisticated machine vision and quality control systems.

- Executing real-time analytics for industrial automation and IoT gateways.
- Serving as a dependable hub for edge computing and data aggregation.
- Running digital signage, kiosks, or control panels in harsh conditions.

Simplified Control, Maximum Uptime

Pre-loaded with Thinux™ Embedded Linux, the IPC5 offers a stable, secure, and ready-to-deploy platform. Benefit from remote management tools, comprehensive development support, and seamless integration, allowing you to focus on your application, not the infrastructure.

Proudly conceived and crafted in India, the Thinvent IPC5 delivers world-class industrial computing where you need it most. Deploy confidence.



Thinvent Industrial PC IPC5



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
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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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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