



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

Quad DB9 Serial

SKU: IPC5-CU5_14L-16_5_16_5-M512-12_5-X-THINUX-4S



Engineered for the extreme, built for the edge: the Thinvent IPC5.

Unmatched Industrial Resilience

Forget delicate electronics. This fanless powerhouse is built with a rugged aluminium chassis to withstand dust, vibration, and extreme temperatures. Its sleek, anodised grey finish isn't just for looks—it's a testament to durable, 100% Indian design that thrives where others fail.

Raw Power for Demanding Applications

Harness serious processing muscle to drive your most critical operations. From advanced machine vision systems that demand rapid image analysis to complex edge computing and industrial automation tasks, the IPC5 delivers unwavering performance to keep your production line intelligent and efficient.

Ultimate Connectivity for Legacy and Modern Systems

Seamlessly integrate with your entire ecosystem. With four dedicated serial ports, you can connect to a legacy of PLCs, scanners, and specialised instruments without costly adapters. Dual Gigabit Ethernet ports ensure robust network reliability and segregation for data and control networks, keeping everything in sync.

Simplified, Secure Management

Take control from anywhere. Our integrated Thinux™ platform includes powerful remote management tools, allowing you to monitor, update, and troubleshoot your systems via a secure web browser. This means less downtime, lower maintenance costs, and total peace of mind.

The robust, connected brain for smart factories, rugged outdoor installations, and automated systems that simply cannot afford to stop.



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

POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 Volts AC, 50~60 Hz, 1.5 Amps maximum

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.

Cable Length

2 Metre

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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