



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

64GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: IPC5-I5_14-64-M1024-12_5-M-THINUX-0



Unleash Industrial Brilliance: Power, Precision, and Unwavering Performance.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is engineered for the most demanding applications, including advanced industrial automation, machine vision, and edge computing. Proudly 100% designed in India.

Unrivalled Performance

- Harness the power of the Intel® Core™ 5 120U processor, featuring 10 cores and turbo speeds up to 5.0 GHz with a 12 MB cache, for lightning-fast data processing.
- Seamless multitasking is guaranteed with 8GB DDR4 RAM.
- Swift system responsiveness comes from the 128GB SSD.

Built for Extremes

- Its fanless design ensures silent, dust-free operation and exceptional reliability in harsh environments.
- The robust, dark grey anodised aluminium housing provides superior durability and a smooth finish.

- Operates flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity.

Extensive Connectivity

- Connect multiple displays with dual HDMI and one VGA port.
- Benefit from flexible peripheral integration with two USB 3.0 and two USB 2.0 ports.
- Stay connected with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

Thinvent Thinix™ Embedded Linux

- Experience a secure and versatile operating environment.
- Benefit from RDP 10, SSH, and browser-based remote management.
- Ready for diverse applications with Java, Python, LibreOffice, and multimedia support.

Compact yet powerful, the IPC5 delivers robust performance in a sleek 197mm x 210mm x 65mm footprint, making it the ideal choice for mission-critical industrial deployments.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	1024 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Front USB 2.0	3
Front Serial Port	2 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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	2.43kg, 2.85kg

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-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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