



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

SKU: IPC5-I5_14-16-M512-12_5-X-THINUX-0



Unrivaled Power. Unyielding Reliability. Designed for Tomorrow's Industry.

Elevate your industrial operations with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution meticulously 100% designed in India. Engineered for demanding environments, the IPC5 is your robust partner for advanced industrial automation, precision machine vision, and powerful edge computing.

Exceptional Performance

- Harness the formidable Intel® Core™ 5 120U processor with a blazing 10 cores, clocking up to 5.0 GHz and backed by a 12 MB cache.
- Seamlessly manage complex tasks with 4GB DDR4 RAM and rapid data access from a 256GB SSD.

Built for Durability

- Experience unwavering operation in challenging conditions with a fanless design, preventing dust and debris ingress.
- Its sleek, dark grey anodised aluminium housing offers superior protection and a smooth finish, enduring temperatures from 0°C to 50°C.
- Certified for RoHS and ISO compliance, ensuring robust industrial reliability.

Versatile Connectivity

- Expand your visual workspace with 2 HDMI and 1 VGA output.
- Connect essential peripherals via 2 USB 3.0 and 2 USB 2.0 ports.
- Ensure stable, high-speed network integration with Gigabit Ethernet.

Intuitive Thinix™ Embedded Linux OS

- Leverage the secure Thinvent® Thinix™ Embedded Linux for unparalleled flexibility.
- Access remote displays with RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Benefit from browser-based remote management, VNC shadowing, and support for Java, Python, and glibc applications.
- Includes essential tools like LibreOffice, PDF viewer, multimedia player, and SIP video/voice over IP.

The IPC5 provides the power and resilience required for your most critical industrial applications, empowering innovation at the edge.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 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
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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

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

+91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

