



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

DOS

SKU: IPC5-I5_14-16-M1024-12_5-X-DOS-0



Unleash Unrivaled Industrial Performance with the Thinvent IPC5.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless powerhouse engineered for demanding environments. Proudly 100% designed in India, the IPC5 combines raw processing might with exceptional durability and extensive connectivity, making it ideal for advanced industrial automation, machine vision, and edge computing applications.

Processing Prowess

Harness extreme processing power with the Intel® Core™ 5 120U processor, boasting

- 10 cores for superior multitasking
- Up to 5.0 GHz max frequency for lightning-fast operations
- 12 MB cache for accelerated data access

Paired with a massive 32GB DDR4 RAM and a rapid 128GB SSD, the IPC5 delivers unparalleled performance for complex workloads.

Rugged Reliability

Designed to thrive where others falter, the IPC5 features

- A fanless design for silent, maintenance-free operation in dusty or harsh conditions
- Robust aluminium housing with a smooth, dark grey anodised finish for exceptional durability and a premium look

- Wide operating temperature range: 0°C ~ 50°C
- Operating humidity: 20% ~ 80% RH, non condensing
- Certifications: RoHS, ISO, ensuring quality and environmental compliance

Its compact dimensions of 197mm x 210mm x 65mm allow for seamless integration into any setup.

Comprehensive Connectivity

The IPC5 offers extensive I/O options for versatile integration

- 2 HDMI ports and 1 VGA port for multiple display outputs
- 2 USB 3.0 and 2 USB 2.0 ports for high-speed peripheral connections
- 1000 Mbps Ethernet for reliable network access
- Dedicated Speaker Out and Mic In for audio capabilities

Power and OS

- Efficient 12V 7A DC power adapter with wide 100~275V AC input (50~60 Hz, 1.5A max)
- Ships with FreeDOS, providing a clean slate for your chosen industrial operating system.

Elevate your operations with the Thinvent IPC5 – where power meets industrial-grade resilience.



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	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
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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	FreeDOS
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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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