



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5_14-8-M512-12_5-X-11V-0



Unleash Unrivaled Industrial Power, Engineered in India.

The Thinvent® Industrial PC IPC5 redefines robust performance for the toughest industrial environments. Meticulously 100% designed in India, this high-performance, fanless PC offers unparalleled reliability and power at the edge.

Unmatched Processing Power

- At its core, the Intel® Core™ 5 120U processor boasts 10 cores, bursting up to 5.0 GHz with a 12 MB cache, delivering exceptional speed for advanced industrial automation, intricate machine vision, and demanding edge computing tasks.
- Paired with 32GB DDR4 RAM and a rapid 128GB SSD, experience seamless multitasking and lightning-fast data access, powered by the secure, long-term stability of Windows 11 IoT Enterprise LTSC 2024 Value.

Built for Endurance

- Its rugged, fanless design, housed in a smooth, dark grey anodised aluminium chassis (197mm x 210mm x 65mm), ensures silent operation and maximum durability against dust and extreme temperatures (0°C to 50°C).
- Operating reliably in 20% to 80% RH non-condensing humidity, it is RoHS and ISO certified, affirming its quality and environmental compliance.

Extensive Connectivity

- Adapt to any setup with dual HDMI and a VGA port for multi-display configurations.
- Four USB ports (2x USB 3.0, 2x USB 2.0), high-speed 1000 Mbps Gigabit Ethernet, and audio input/output provide comprehensive connectivity for your diverse industrial peripherals.
- Powered by a stable 12V 7A DC input, with a 2 Metre AC power cable.

Powering the future of industry, the IPC5 is your ultimate solution for mission-critical operations.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	8 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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