



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: IPC5-I5_14-16-M128-12_5-M-11V-0



Unleash Unrivaled Industrial Power and Connectivity.

Introducing the Thinvent® Industrial PC IPC5: Engineered for the most demanding environments, this fanless powerhouse delivers exceptional performance and rock-solid reliability. Designed and manufactured in India, its robust aluminium housing with a sleek, anodised dark grey finish ensures durability and a professional aesthetic.

Key Performance Features

- Processor: Intel® Core™ i5 120U processor with 10 cores, boosting up to 5.0 GHz and featuring a 12 MB cache for seamless multitasking and rapid data processing.
- Memory & Storage: A massive 64GB of DDR4 RAM combined with a fast 256GB SSD provides ample capacity and lightning-quick boot and load times.

Connectivity Beyond Compare

- Display Outputs: Dual HDMI ports and a VGA port offer versatile display configurations.
- Audio: Integrated Speaker Out and Mic In for clear audio input/output.
- USB Ports: 2x USB 3.0 and 2x USB 2.0 ports for a wide range of peripherals.

- Serial Communication: 2x DB9 male RS232 serial ports for legacy device integration.
- Networking: A 1000 Mbps Ethernet port for reliable wired connections and Dual Band Wi-Fi 5 (802.11ac) for flexible wireless connectivity.

Built for the Toughest Conditions

- Power: Operates on 12V 7A DC power, with a versatile 100~275 Volts AC input.
- Environmental Resistance: With an operating temperature range of 0°C to 50°C and humidity tolerance, it's built for industrial resilience.
- Dimensions: Compact at 197mm x 210mm x 65mm.
- Certifications: RoHS and ISO certified for assured quality and compliance.

Seamless Integration

- Operating System: Comes pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, optimized for industrial applications.

Perfect for advanced industrial automation, demanding machine vision tasks, and powerful edge computing solutions. Experience the future of industrial computing with Thinvent®.



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	128 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	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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