



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

Without OS

SKU: IPC5-I5_14-16-M128-12_5-M-W_OS-0



Unleash Your Industrial Potential: The Reinvented IPC5

Experience unparalleled performance and rugged reliability with the Thinvent® Industrial PC IPC5. Engineered for the demands of modern industry, this powerhouse is designed to drive your most ambitious automation, machine vision, and edge computing projects.

Performance Redefined

- Featuring the Intel® Core™ 5 120U processor, boasting 10 cores that reach up to a blistering 5.0 GHz with a 12 MB cache, the IPC5 handles complex tasks with effortless speed.
- Multitask like never before with a massive 64GB of DDR4 RAM.
- Store and access critical data instantly on the rapid 256GB SSD.

Connectivity Champion

- Versatile display options with 2 HDMI ports and 1 VGA port.
- Rich audio integration with 1 Speaker Out and 1 Mic In.
- Ample peripheral support: 2 USB 3.0 and 2 USB 2.0 ports.
- Seamless serial communication with 2 DB9 male RS232 ports.

- Blazing-fast 1000 Mbps Ethernet for robust network integration.
- Stay connected with dual-band Wi-Fi 5 (802.11ac).

Built for the Toughest Environments

- Operates flawlessly between 0°C and 50°C with 20% ~ 80% non-condensing humidity resistance.
- Encased in a robust, anodised aluminium housing with a sleek dark grey finish for superior durability and a professional aesthetic.
- Certified for quality and compliance: RoHS, ISO.

Power and Flexibility

- Reliable 12V 7A DC power input with a versatile 100~275 Volts AC, 50~60 Hz adapter.
- Compact dimensions (197mm x 210mm x 65mm) make integration easy.
- Choose your operating system for ultimate control (Without OS).

100% Designed in India.

Your competitive edge, engineered in India.



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	Without OS
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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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