



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Pro

SKU: IPC5-I5_14-16-M512-12_5-M-11P-0



Thinvent IPC5: Unyielding Power, Unmatched Resilience for Tomorrow's Industry

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this high-performance, rugged, and fanless IPC is engineered for the most demanding environments, delivering robust power and exceptional reliability right where you need it most. Its sleek, dark grey anodised aluminium housing ensures both a smooth, professional finish and unparalleled durability.

Unleash Performance

- At its core, an Intel® Core™ 5 120U processor with 10 cores and speeds up to 5.0 GHz, backed by a 12 MB cache, provides the raw processing power for advanced industrial automation, complex machine vision tasks, and sophisticated edge computing.
- With 16GB of DDR4 RAM and a lightning-fast 256GB SSD, the IPC5 ensures seamless multitasking and rapid data access, enhancing operational efficiency.
- Pre-installed with Microsoft Windows 11 Pro, it offers a familiar, secure, and powerful operating environment.

Built for the Edge

- Its rugged, fanless design eliminates dust ingress and reduces maintenance, allowing it to thrive in challenging conditions from 0°C to 50°C and 20% ~ 80% RH.
- Certified with RoHS and ISO standards, the IPC5 guarantees quality and environmental compliance.

Seamless Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a 1000 Mbps Ethernet port for robust and reliable networking.
- Extensive I/O includes 2 HDMI and 1 VGA for versatile multi-display options, 2 USB 3.0, 2 USB 2.0, Speaker Out, and Mic In, ensuring comprehensive peripheral integration.

The Thinvent IPC5 is your robust, high-performance solution, purpose-built to drive innovation in critical industrial applications.



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
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 Pro
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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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