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

Windows 11 Pro

SKU: IPC5-I5_14-16-M1024-12_5-X-11P-0

Thinvent® IPC5: Unleashing Uncompromising Power and Reliability for the Industrial Frontier.

Elevate your industrial operations with the Thinvent® Industrial PC IPC5, a powerhouse meticulously engineered for the most demanding environments. This 100% designed in India fanless solution combines cutting-edge performance with unparalleled ruggedness, making it an indispensable asset for advanced industrial automation, machine vision, and edge computing.

Exceptional Performance and Speed

At its core, the IPC5 boasts an Intel® Core™ 5 120U processor with 10 cores, bursting up to 5.0 GHz and featuring a substantial 12 MB cache. Coupled with 8GB DDR4 RAM and a rapid 256GB SSD, this system delivers lightning-fast data processing and seamless multitasking, ensuring your critical applications run without interruption. Pre-loaded with Windows 11 Pro, it offers robust security and a familiar, powerful operating environment.

Built for the Toughest Environments

Experience silent, maintenance-free operation thanks to its innovative fanless design, eliminating dust ingress and potential failures from moving parts. The sleek, dark grey anodised aluminium housing provides superior durability, efficient heat dissipation, and an elegant, smooth finish. Designed to operate reliably from 0°C to 50°C and 20% to 80% non-condensing humidity, the IPC5 is a true industrial workhorse, backed by RoHS and ISO certifications.

Versatile Connectivity

The IPC5 offers an abundance of I/O for diverse applications, ensuring you stay connected where it matters most.

- Display Options: 2 HDMI, 1 VGA
- Audio Interface: 1 Speaker Out, 1 Mic In
- USB Ports: 2 USB 3.0, 2 USB 2.0
- Network: 1000 Mbps Ethernet
- Power: 12V 7A DC input, supplied via a 2-metre adapter compatible with 100~275V AC.

Compact yet powerful, the Thinvent® IPC5 redefines industrial computing, offering high performance, extreme reliability, and superior connectivity in a compact 197mm × 210mm × 65mm footprint. Power your innovation with Thinvent.

Thinvent Industrial PC IPC5

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

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

Thinvent Industrial PC IPC5

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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