



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 Professional

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



Quietly powerful, relentlessly dependable.

Power that keeps pace with production

The IPC5 brings serious multi-core muscle to your most demanding operations. From high-speed machine vision inspections to real-time edge computing, this industrial PC responds with the kind of brisk, decisive performance that keeps your lines moving and your workflows fluid. It is the quiet workhorse your operation can build around.

Built to shrug off harsh environments

No fans, no moving parts, no fuss. Its fanless, passive cooling design means it endures dust, heat, and vibration that would cripple ordinary office machines. The sleek, smooth anodised aluminium housing not only looks professional in its dark grey finish, it also acts as a rugged armour against the rigours of the factory floor. From 0°C to 50°C, the IPC5 simply keeps going.

Connectivity for every industrial challenge

Your equipment speaks many languages, and the IPC5 is fluent in all of them. With dual Ethernet, multiple USB ports, serial RS232 interfaces, HDMI and VGA outputs, plus dual-band Wi-Fi, this is the central hub that ties your legacy machinery and modern sensors together. Whether you are retrofitting an existing plant or building a new smart factory, the IPC5 slots into your ecosystem without a fuss.

Ready for the next generation of automation

This is a British-designed, India-built workhorse that understands the needs of Industry 4.0. Push your machine learning models to the edge, run complex vision algorithms, or manage a suite of industrial controllers — the IPC5 handles it all smoothly, with Windows 11 Professional providing a secure and familiar platform. When you need a computer that operates at the speed of your ambition, the Thinvent IPC5 is the dependable choice.



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	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 Professional
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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
SSD	m128 = 128GB			
	m512 = 512GB			
	m2048 = 2TB			
Wireless	m = Dual Band WiFi			
		X = No WiFi		
OS	DOS = DOS			
	11V = Windows 11 IoT Value			
	110 = Windows 11 Professional			
	U = Ubuntu Linux			
		W_OS = Without OS		
		11P = Windows 11 Pro		
		Thinux = Thinux™ Embedded Linux		
Accessories	0 = None			
		4S = Quad DB9 Serial		

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