



Thinvent Industrial PC IPC5

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

DOS

SKU: IPC5-I5_14-16-M256-12_5-M-DOS-0



Thinvent IPC5: Unyielding Power, Unrivaled Reliability for Industry 4.0.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme performance and unwavering resilience, this fanless IPC is the robust heart your advanced automation, machine vision, and edge computing demands.

Performance Redefined

- Harness the raw power of the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with 12 MB cache for seamless multitasking and rapid data processing.
- With 8GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 ensures quick boot times and fluid operation for your most demanding applications.

Built for the Edge

- Its rugged, fanless design eliminates moving parts, guaranteeing silent, dust-free, and maintenance-free operation in challenging industrial environments from 0°C to 50°C.
- The durable, dark grey anodised aluminium housing provides superior protection and a sleek, professional finish.

- Certified RoHS and ISO compliant, ensuring quality and environmental responsibility.

Comprehensive Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a Gigabit Ethernet port for high-speed networking.
- Extensive I/O includes 2 HDMI and 1 VGA port for triple display support, 2 USB 3.0, 2 USB 2.0, Speaker Out, and Mic In.
- A wide 100~275V AC power input with a 12V 7A adapter ensures reliable power in diverse settings.

Proudly Indian Innovation

- This compact, high-performance IPC is 100% designed in India, reflecting a commitment to local innovation and global standards.
- Pre-installed with FreeDOS, allowing flexible OS deployment to suit your specific needs.

Elevate your industrial operations with the Thinvent IPC5 – where power meets precision and durability.



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	256 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	FreeDOS
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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	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
 #11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
 UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

