



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

No WiFi

DOS

SKU: IPC5-I5_12-8_8-M1024-12_5-X-DOS-0



Thinvent® IPC5: Unyielding Power, Engineered for Industry's Edge.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. 100% designed in India, this robust, fanless powerhouse delivers unparalleled performance for the most demanding applications, from advanced industrial automation to high-fidelity machine vision and critical edge computing.

Performance at its Core

- Driven by an Intel® Core™ i5-1250P processor featuring 12 cores and speeds up to 4.4 GHz with 12 MB cache, the IPC5 effortlessly handles complex tasks.
- Paired with a massive 32GB DDR4 RAM and a rapid 256GB SSD, it ensures swift data processing and responsive operation, minimizing downtime and maximizing productivity.

Built for Battle

- Encased in a sleek, dark grey anodised aluminium housing (197mm × 210mm × 65mm), the fanless design ensures silent operation and exceptional reliability in dust-prone environments.

- Operating flawlessly from 0°C to 50°C with 20% to 80% non-condensing humidity, this IPC is engineered to thrive in harsh industrial settings, meeting RoHS and ISO certifications.

Seamless Connectivity

- Extensive I/O options include 1x HDMI, 1x VGA, 2x USB 3.2, 2x USB 2.0, Speaker Out, Mic In, and a dedicated 1000 Mbps Ethernet port for secure, high-speed networking.
- Powered by a stable 12V DC input at 7A, with a wide AC input range (100~275V, 50~60 Hz), ensuring consistent power delivery for critical operations.

Pre-loaded with FreeDOS, the IPC5 offers a flexible platform ready for your tailored operating system. Choose Thinvent® IPC5 for a powerful, rugged, and reliable solution, proudly Made in India.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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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	2.83kg, 3.25kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE				
IPC5-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB		m256 = 256GB	
	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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