



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC5-I5_13-32_32-M512-12_5-X-DOS-4S



Unlock Unrivalled Power and Reliability for Your Industrial Frontier.

Introducing the Thinvent® Industrial PC IPC5: a meticulously engineered, 100% Designed in India solution delivering cutting-edge performance and uncompromising ruggedness for the most demanding industrial environments. This fanless powerhouse is purpose-built for advanced industrial automation, high-speed machine vision, and robust edge computing.

Exceptional Performance

- Harness the formidable power of the Intel® Core™ i5-1335U processor, featuring 10 cores with speeds up to 4.6 GHz and a generous 12 MB cache, ensuring seamless execution of complex applications.
- Experience rapid data processing and system responsiveness with 4GB DDR4 RAM and a lightning-fast 512GB SSD.

Unmatched Connectivity & Durability

- Integrate effortlessly with legacy and modern industrial peripherals thanks to an industry-leading 6 DB9 male RS232 serial ports, alongside 2 USB 3.2 and 2 USB 2.0 ports.

- Drive dual displays with HDMI and VGA outputs, and enjoy crystal-clear audio via dedicated speaker out and mic in.
- Rely on gigabit Ethernet for high-speed network communication.
- Engineered for resilience, its fanless design and robust dark grey anodised aluminium housing ensure reliable operation in challenging conditions, from 0°C to 50°C and 20% to 80% non-condensing humidity.
- Power stability is guaranteed with a wide input range (100~275V AC) and a secure 12V 7A DC adapter.
- Compact dimensions (197mm × 210mm × 65mm) allow for flexible deployment in confined spaces.

Ready for Your Solution

- Shipped with FreeDOS, the IPC5 offers complete flexibility to install your preferred industrial operating system.
- Certified with RoHS and ISO standards, assuring quality and environmental compliance.

The Thinvent IPC5 is where raw power meets unwavering reliability. Elevate your industrial operations.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	512 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
Rear Serial Port	4 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	2.72kg, 3.14kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

IPC5-i5_13-[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	
	Thinix = Thinix™ 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

