



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

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I5_13-32_32-M512-12_7-X-U-4S



Unleash Unrivalled Performance and Connectivity in Any Industrial Environment.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC5. Engineered for extreme reliability and peak performance, this fanless, rugged powerhouse is 100% designed in India to excel in the most demanding industrial automation, machine vision, and edge computing applications.

Core Performance

- At its heart lies the formidable Intel® Core™ i5-1335U processor, featuring 10 cores and turbo speeds up to 4.6 GHz with a 12 MB cache, delivering exceptional processing power.
- Supported by 8GB DDR4 RAM and a rapid 128GB SSD, ensuring lightning-fast operation and responsive data handling.
- Pre-installed with Ubuntu Linux 24.04 LTS, providing a stable, secure, and open-source platform for your critical operations.

Extensive Connectivity

- Boasting six DB9 male RS232 serial ports, the IPC5 offers unparalleled connectivity for legacy and modern industrial peripherals.
- Four USB ports (2x USB 3.2, 2x USB 2.0) for versatile device integration.

- Dual display outputs with HDMI and VGA, plus dedicated Speaker Out and Mic In ports.
- A robust 1000 Mbps Ethernet port ensures high-speed network communication.

Built for Extremes

- Its fanless design eliminates moving parts, enhancing durability and reducing maintenance in dusty or harsh conditions.
- Constructed with a dark grey, smooth anodised aluminium housing (197mm x 210mm x 65mm), providing superior heat dissipation and a sleek finish.
- Operates flawlessly across a wide temperature range of 0°C to 50°C and 20% to 80% RH (non-condensing) humidity.
- Certified with RoHS and ISO standards, guaranteeing quality and environmental compliance.

Flexible Power

- Comes with a 12V 7A DC adapter, capable of handling broad AC input from 100V to 275V.

Empower your operations with the IPC5: a compact, powerful, and ultra-reliable industrial computing solution, ready to drive innovation at the edge.



Thinvent Industrial PC IPC5



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	7 Amps
Power Input	100~275 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	2.82kg, 3.24kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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	

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