



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_5-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.



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	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 Serialwww.thinvent.insales@thinvent.in

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