



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

No WiFi

Ubuntu Linux

SKU: IPC5-I5_12-32_32-M1024-12_5-X-U-0



Unleash industrial power, built for the future.

The Thinvent® Industrial PC IPC5 is your robust, fanless powerhouse, engineered for the most demanding environments. This 100% designed in India solution delivers unparalleled performance and reliability, making it ideal for advanced industrial automation, machine vision, and edge computing.

Exceptional Performance

- Driven by an Intel® Core™ i5-1250P processor with 12 cores, clocking up to 4.4 GHz and featuring a 12 MB cache, the IPC5 effortlessly handles complex workloads.
- Equipped with 4GB DDR4 RAM and a rapid 128GB SSD, ensuring swift data processing and application responsiveness.

Built for Harsh Environments

- Its rugged, fanless design guarantees silent, maintenance-free operation, reliably performing in temperatures from 0°C to 50°C and 20%-80% non-condensing humidity.

- Housed in a durable, dark grey anodised aluminium casing (197mm × 210mm × 65mm), it offers superior protection and a smooth, professional finish.

Extensive Connectivity

- Seamlessly integrate with your systems using 2x USB 3.2, 2x USB 2.0, Gigabit Ethernet for high-speed networking, HDMI, VGA, and dedicated speaker out and mic in ports.

Ready for Deployment

- Pre-installed with Ubuntu Linux 24.04 LTS, providing a secure and flexible open-source platform.
- Powered efficiently via a 12V 7A adapter, compatible with 100~275V AC input (2-meter cable included) for robust power delivery.
- RoHS and ISO certified for peace of mind.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 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	Ubuntu Linux 24.04 LTS
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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**Thinix** = Thinix™ Embedded Linux**U** = Ubuntu Linux

Accessories

0 = None**4S** = Quad DB9 Serialwww.thinvent.insales@thinvent.in

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