



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I5_12L-16-M512-12_5-X-U-4S



Unleash relentless computing power where others fear to tread.

Meet the Thinvent IPC5: The robust, high-performance engine for your most demanding industrial applications. This fanless powerhouse is built to thrive in harsh environments, delivering unwavering reliability without the fragility of moving parts. Its sleek, anodised aluminium chassis isn't just for show—it's a rugged shield that dissipates heat efficiently, ensuring smooth operation from the factory floor to the remote edge.

Where it excels

- Advanced Industrial Automation: Drive complex machinery and control systems with consistent, uncompromised performance.

- Machine Vision & AI at the Edge: Process high-resolution imagery and data in real-time, enabling smarter, faster decision-making.
- Critical Edge Computing: A dependable nerve centre for data aggregation and processing, right where it's needed most.

With its wealth of connectivity options, including multiple serial ports and dual Ethernet, it seamlessly integrates into legacy and modern networks alike. Pre-loaded with a stable Ubuntu Linux OS, it's ready for secure, customised deployment from the moment you power it on. Proudly 100% designed in India, the IPC5 is the intelligent, rugged foundation for building the future of industry.



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

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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_121-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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

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

