



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

128GB SSD

No WiFi

Without OS

SKU: IPC5-I5_12-8_8-M128-12_5-X-W_OS-0



Engineered for Excellence: The Thinvent® IPC5 – Unyielding Power at the Industrial Edge.

Experience unparalleled performance and unwavering reliability with the Thinvent® Industrial PC IPC5. This high-performance, rugged, and fanless powerhouse is 100% designed in India, built to tackle the most demanding industrial environments.

Exceptional Processing Power

- Driven by the Intel® Core™ i5-1250P processor, featuring an impressive 12 cores and a blistering 4.4 GHz max frequency, coupled with a 12 MB cache for superior data processing.
- Seamlessly handle complex applications with 32GB DDR4 RAM and benefit from lightning-fast boot-ups and data access with a robust 512GB SSD.

Industrial-Grade Durability and Design

- Its sleek, dark grey, anodised aluminium housing offers a smooth finish, superb heat dissipation, and robust protection, ensuring stable operation from 0°C to 50°C and 20% ~ 80% RH non-condensing humidity.

- Designed fanless for silent, dust-free, and maintenance-free operation, making it ideal for harsh industrial settings.
- Compact dimensions (197mm × 210mm × 65mm) allow for flexible deployment in space-constrained areas.

Extensive Connectivity for Your Operations

- Connect effortlessly with multiple peripherals via 2x USB 3.2 and 2x USB 2.0 ports.
- Ensure reliable network communication with a dedicated Gigabit Ethernet port.
- Versatile display options include HDMI and VGA outputs, along with Speaker Out and Mic In for comprehensive multimedia support.

The Thinvent® IPC5 is the perfect solution for advanced industrial automation, high-definition machine vision, and critical edge computing tasks. With RoHS and ISO certifications, this robust system is engineered for your future. Note: This unit ships without an operating system and does not include WiFi, allowing for tailored deployment.



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	128 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	Without OS
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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 Serial	

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