



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM (2 x 16GB)

256GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: IPC5-I5_12L-16_16-M256-12_7-M-U-0



Engineered for the relentless rhythm of industry.

This is more than a computer; it's the robust digital heart for your most demanding applications. Built to thrive where others falter, its fanless, solid-state design ensures silent, reliable operation free from dust and failure in harsh environments. From the factory floor to the remote edge, it delivers uncompromising power for advanced automation, precise machine vision, and intelligent data processing.

Why the IPC5 is your strategic advantage

- Unshakeable reliability: Its rugged, all-aluminium chassis with a smooth anodised finish dissipates heat efficiently, guaranteeing 24/7 uptime without moving parts.

- Connectivity at its core: Ample ports and dual networking options provide seamless integration with legacy systems and modern IoT networks, future-proofing your setup.
- Ready for intelligent workloads: Harness substantial processing muscle to run complex algorithms, manage multiple data streams, and drive real-time decision-making at the source.
- Proudly conceived and designed in India: A solution built with an intrinsic understanding of local industrial challenges and global performance standards.

Deploy with confidence for automated production lines, quality inspection stations, or as a powerful edge computing node. The Thinvent IPC5 is the dependable, high-performance foundation your next innovation requires.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	256 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

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	2.92kg, 3.34kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE				
IPC5-i5_12L-[RAM]-[SSD]-12_10-[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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