



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

4GB DDR4 RAM

512GB SSD

No WiFi

Without OS

SKU: IPC5-I7_12L-4-M512-12_7-X-W_OS-0



Unleash Industrial Power, Engineered Without Compromise.

Built for the most demanding environments, the Thinvent IPC5 is your relentless partner for advanced automation and intelligent edge computing. Its formidable processing muscle effortlessly handles complex machine vision, real-time analytics, and critical control tasks, ensuring your operations never miss a beat.

Why This Industrial PC Stands Apart

Rugged Reliability for Real-World Demands

- A fanless, solid aluminium chassis ensures silent, dust-proof operation from the factory floor to the outdoor edge.
- Built to withstand wide temperature ranges and harsh conditions for 24/7 dependability where it matters most.

Superior Connectivity Drives Integration

- Ample legacy and modern ports, including dual serial and dual LAN, provide seamless communication with a vast array of industrial machinery and sensors.
- This extensive connectivity simplifies system design and future-proofs your investment.

Proudly Engineered in India

- 100% designed in India to meet the specific challenges of diverse industrial landscapes, delivering robust performance with a sleek, anodised grey finish.
- It's the smart, powerful, and resilient computing core for building the future of industry.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	4 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	3
Front Serial Port	2 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	Without OS
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Ordering Information

PRODUCT CODE	
IPC5-i7_12l-[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

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