



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM (2 x 32GB)

256GB SSD

No WiFi

Without OS

SKU: IPC5-I7_12L-32_32-M256-12_5-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	64 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	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	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-i7_12l-[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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