



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

1TB SSD

Dual Band WiFi

DOS

SKU: IPC5-I7_12L-32-M1024-12_7-M-DOS-0



Unleash industrial power, built to endure.

Meet the Thinvent IPC5: the robust, high-performance engine for your most demanding applications. Designed from the ground up for relentless environments, this fanless industrial PC delivers unwavering reliability where it matters most.

Built for demanding environments

- Engineered for 24/7 operation in challenging conditions with a rugged, fanless aluminium chassis.
- Advanced thermal management ensures silent, dust-resistant performance for ultimate reliability.
- Features a comprehensive array of connectivity ports to seamlessly integrate with legacy and modern industrial equipment.

Your hub for advanced automation

- Provides the substantial processing power needed for complex machine vision, data acquisition, and real-time control systems.
- Acts as a powerful edge computing node, processing data locally for faster insights and reduced network latency.
- A versatile cornerstone for sophisticated industrial automation, IoT gateways, and digital signage solutions.

Proudly engineered and 100% designed in India, the IPC5 combines intelligent performance with rugged dependability in a sleek, anodised grey enclosure. It's more than a computer; it's the durable brain for your intelligent operations.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	1024 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
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	FreeDOS
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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 Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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