



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

1TB SSD

Dual Band WiFi

DOS

SKU: IPC5-I7_12L-8-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	8 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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