



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

No WiFi

Windows 11 Professional

SKU: IPC5-I7_12L-8-M1024-12_7-X-11O-0



Powering Tomorrow's Industries, Today

Rely on unparalleled performance that drives your most demanding industrial operations. The Thinvent® IPC5 is engineered to handle the complexities of advanced automation, bringing sophisticated machine vision and edge computing capabilities directly to your factory floor. Experience the smooth, reliable operation that comes from a design built for resilience and efficiency, enabling you to push boundaries and unlock new levels of productivity.

Uncompromising Durability for Real-World Demands

Built to withstand the rigours of industrial environments, the IPC5 offers steadfast reliability. Its robust construction ensures continuous operation in challenging conditions, so you can focus on what matters most – your business. Trust in a solution designed for longevity and unwavering support for your critical tasks.

Connectivity That Keeps You Ahead

Unlock seamless integration and expanded possibilities with an array of connection options. The IPC5 is designed to be the central hub for your operations, facilitating effortless communication and data flow. Its versatile design ensures it can adapt to your evolving needs, keeping you at the forefront of industrial innovation.

Designed for India, Engineered for the World

Proudly 100% designed in India, the Thinvent® IPC5 embodies a commitment to quality and innovation. Its sleek, anodised aluminium finish in a sophisticated dark grey not only looks the part but also signifies the superior craftsmanship within. Choose a partner that understands the demands of modern industry and delivers solutions that perform.



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

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	Microsoft Windows 11 Professional
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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

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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