



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

64GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 Professional

SKU: IPC5-I7_12L-64-M512-12_5-M-11O-0



Unyielding power for the factory floor, the Thinvent IPC5 keeps your world turning.

The IPC5 is the industrial PC that doesn't just keep up—it sets the pace. Purpose-built for round-the-clock operation, this fanless marvel delivers desktop-class performance in a compact, rugged chassis. From precision machine vision to real-time edge analytics, the IPC5 handles your most demanding tasks with effortless speed and rock-solid stability.

Performance that pays for itself

- Powers through complex automation routines without breaking a sweat
- Responds instantly to control commands, minimising downtime and maximising throughput
- Handles data-intensive workloads at the edge, reducing reliance on distant servers

Rugged by design

- Completely fanless and passively cooled, so dust, dirt, and debris never get inside

- Operates reliably in temperatures from freezing to 50°C, with no thermal throttling
- Aluminium housing with a smooth, anodised dark-grey finish shrugs off knocks and vibrations
- Built for continuous 24/7 duty in the harshest industrial environments

Connectivity without compromise

- Dual Gigabit Ethernet for resilient, high-speed networking
- Multiple USB and serial ports to link legacy machinery and modern sensors alike
- Built-in dual-band Wi-Fi for flexible, cable-free deployment
- HDMI and VGA outputs for crisp displays and straightforward HMI integration

Proudly designed in India

- Developed and



Thinvent Industrial PC IPC5



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	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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	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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