



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-I7_12L-16-M512-12_7-X-W_OS-4S



Engineered for the relentless pace of modern industry.

Unmatched Power for Critical Automation

Harness serious processing muscle to tackle demanding applications without hesitation. This fanless industrial PC delivers the robust performance required for advanced machine vision, real-time analytics, and complex edge computing tasks, ensuring your operations keep moving forward.

Built Rugged, Runs Reliably

Designed to thrive where others fail. Its solid, fanless aluminium construction eliminates dust-clogged fans and moving parts, offering silent, maintenance-free operation in harsh environments. From the factory floor to outdoor installations, it provides steadfast reliability day in and day out.

Maximum Connectivity for Seamless Integration

Ready to connect to your existing ecosystem. With abundant serial ports and dual network capability, it effortlessly interfaces with legacy machinery, PLCs, and modern networks, simplifying system integration and giving you greater control over your industrial processes.

A Proud Statement of Indian Ingenuity

100% designed in India, this industrial PC combines global performance standards with deep understanding of local industrial challenges. Its sleek, anodised dark grey finish reflects a commitment to quality and durability that stands the test of time and tough conditions.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 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
Rear Serial Port	4 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	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 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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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