



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

1TB SSD

No WiFi

Ubuntu Linux

SKU: IPC5-I7_12L-16-M1024-12_5-X-U-0



Unleash Industrial Intelligence, Uncompromised.

Engineered for the harshest environments and most demanding tasks, the Thinvent IPC5 is the robust computing core your advanced operations require. Its fanless, solid aluminium chassis ensures silent, dustproof reliability where others fail, delivering relentless power without the vulnerability of moving parts.

Built for Critical Performance

- Conquer complex machine vision, real-time analytics, and dense data processing at the edge with effortless speed.

- Seamlessly integrate into sophisticated automation networks with dual Gigabit Ethernet and legacy serial connectivity.
- Deploy with confidence in variable temperatures, knowing its rugged design guarantees continuous uptime.

A Proudly Indian solution for global industrial challenges, its sleek, anodised dark grey finish embodies a fusion of robust engineering and sophisticated design. Move beyond basic computing. Install the IPC5 and empower your automation with dependable, high-performance intelligence that just works.



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	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	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	Ubuntu Linux 24.04 LTS
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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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