



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM (2 x 16GB)

128GB SSD

No WiFi

Windows 11 Pro

SKU: IPC5-I7_12L-16_16-M128-12_7-X-11P-0



Unleash relentless computing power in the harshest industrial environments.

Engineered for Demanding Applications

This high-performance, rugged IPC is built to drive the most advanced industrial automation, precision machine vision, and intelligent edge computing tasks. Its robust, fanless design ensures silent, maintenance-free operation where dust, vibration, and extreme temperatures would halt ordinary computers.

Built Rugged, Designed Smart

Encased in a sleek, anodised dark grey aluminium chassis, this PC is as tough as it looks. The completely silent passive cooling system eliminates moving parts, providing ultimate reliability for continuous, 24/7 operation. With dual Ethernet and legacy serial ports, it seamlessly integrates into both modern and existing industrial networks, offering unparalleled connectivity.

Why Choose the IPC5

- Experience robust, fault-tolerant performance for critical control and data processing.
- Deploy confidently in demanding settings from factory floors to outdoor enclosures.
- Leverage a future-proof platform designed and built for the complexities of Industry 4.0.
- Support innovation with a 100% India-designed industrial computing solution.

Forget compromise. Choose a powerhouse engineered for endurance.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	128 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 Pro
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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	m256 = 256GB		
	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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