



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Windows 11 Pro

SKU: IPC5-I7_12L-32-M2048-12_7-M-11P-0



Unleash the next wave of industrial intelligence.

Built for the most demanding environments

- Conquer complex automation and real-time analytics with effortless processing power.
- Deploy with confidence in harsh conditions, thanks to its rugged, fanless aluminium design.
- Connect everything you need with extensive legacy and modern I/O options.

Your robust partner at the edge

This high-performance industrial PC thrives where it matters most. Engineered for advanced machine vision, seamless edge computing, and relentless automation tasks, it delivers unwavering reliability without the bulk or noise of cooling fans. Its sleek, anodised grey chassis houses exceptional connectivity, ensuring seamless integration into any existing setup. Proudly 100% designed in India, it's the robust, powerful foundation for your smart industrial future.



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	2048 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	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 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 Thinux = Thinux™ Embedded Linux
Accessories	0 = None 4S = Quad DB9 Serial

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