



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)

2TB SSD

Dual Band WiFi

Without OS

Quad DB9 Serial



SKU: IPC5-I7_12L-16_16-M2048-12_7-M-W_OS-4S

Unleash the power of precision in the most demanding environments.

Meet the Thinvent® IPC5: the robust, high-performance industrial brain built to drive innovation where it matters most. Engineered for relentless 24/7 operation, its fanless, rugged aluminium chassis ensures silent, dust-resistant reliability without a single moving part to fail. This is industrial computing, perfected.

Why choose the IPC5

- Conquer complex tasks with effortless speed, from advanced machine vision and real-time analytics to sophisticated edge computing applications.

- Connect everything with unparalleled flexibility, thanks to extensive legacy and modern I/O including multiple serial ports and dual LAN for seamless system integration.
- Deploy with absolute confidence in harsh conditions, knowing its rugged design and wide operating temperature range guarantee unwavering stability.
- Proudly power your automation with 100% Indian design, bringing world-class engineering and a sleek, anodised grey finish to your facility.

Stop compromising between performance and durability. Choose the IPC5 and build the resilient, high-powered industrial future you envision.



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
Rear Serial Port	4 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	Without OS
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Ordering Information

PRODUCT CODE				
IPC5-i7_121-[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
	m2048 = 2TB			
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS	W_OS = Without OS	11V = Windows 11 IoT Value	11P = Windows 11 Pro
	110 = Windows 11 Professional	Thinux = Thinux™ Embedded Linux	U = Ubuntu Linux	
Accessories	0 = None	4S = Quad DB9 Serial		

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