



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM (2 x 8GB)

128GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC5-I7_12L-8_8-M128-12_7-M-11P-4S



Unleash industrial-grade computing power without the noise.

Engineered for the demanding edge

Forget about fragile office hardware. The Thinvent IPC5 is built from the ground up to thrive where it matters most. Its robust, fanless aluminium chassis shrugs off dust, vibration, and extreme temperatures, delivering relentless 24/7 operation with zero moving parts to fail. This is computing built to endure.

Connect and control anything

With its wealth of legacy and modern ports, including four critical serial connections, this unit seamlessly integrates into any existing industrial ecosystem. Directly interface with PLCs, scanners, sensors, and modern peripherals simultaneously, eliminating the need for cumbersome adapters and creating a unified control hub.

The intelligent core for advanced applications

Harness the substantial processing muscle to drive complex tasks right at the source. Perfect for real-time machine vision inspection, sophisticated edge analytics, and advanced automation control, it turns data into immediate insight and action, reducing latency and cloud dependency.

Designed for resilience, engineered in India

Proudly 100% designed in India, this Industrial PC combines global performance standards with local engineering ingenuity. Its sleek, anodised dark grey finish isn't just for looks—it's a testament to a rugged, reliable, and thoughtfully crafted tool ready to power your most critical operations.



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

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