



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value



SKU: IPC3-I3_12L-4-M512-12_5-M-11V-0

Engineered for the Unforgiving: The Thinvent IPC3 Industrial PC.

Built to thrive where others fail, this robust, fanless system is your steadfast partner in demanding industrial and IoT landscapes. From factory floors to smart kiosks, it delivers unwavering reliability for 24/7 operation without a whisper of noise.

Why choose the IPC3

- Conquer harsh conditions with a rugged, anodised aluminium chassis that dissipates heat silently and withstands dust, vibration, and extreme temperatures.
- Experience seamless connectivity and control with versatile I/O ports and dual-band Wi-Fi, enabling effortless integration into existing networks and machinery.

- Deploy with absolute confidence, backed by a robust, 100% India-designed platform built for relentless, around-the-clock performance.
 - Gain a future-proof edge with the efficient power of a modern processor architecture, ensuring smooth operation for critical monitoring, automation, and data acquisition tasks.
 - Simplify your setup with a compact, ready-to-run solution that arrives with Windows 11 IoT, minimising downtime and getting your application live faster.
- Dependable, connected, and designed for endurance: the IPC3 is the resilient computing core your industrial projects demand.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	4 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
Front USB 2.0	4
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	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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.45kg, 2.87kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE	
IPC3-i3_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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