



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC3-I3_12-32_32-M512-12_7-X-11V-4S



Unleash Unrivalled Performance in the Harshest Environments.

The Thinvent® Industrial PC IPC3, powered by the Intel® Core™ i3-1215U processor, is engineered for relentless operation where standard PCs simply fail. Proudly 100% designed in India, this rugged, fanless marvel delivers exceptional computing power for the most demanding industrial and IoT applications, ensuring 24x7 reliability.

Engineered for Extremes

- Its robust fanless design eliminates dust ingress and moving parts, ensuring silent, maintenance-free operation in challenging environments.
- The premium anodised silver aluminium housing provides superior heat dissipation and enduring protection, capable of operating from 0°C to 50°C and 20% to 80% RH (non-condensing).
- RoHS and ISO certifications underscore its commitment to quality and environmental standards.

Unwavering Power & Speed

- Experience powerful processing with the 6-core Intel® Core™ i3-1215U, boasting speeds up to 4.4 GHz and 10 MB cache for efficient multitasking and data processing.
- Ample 8GB DDR4 RAM ensures smooth application performance.

- A blazing-fast 256GB SSD provides quick boot-ups and rapid data access for critical operations.

Seamless Connectivity for Industrial Ecosystems

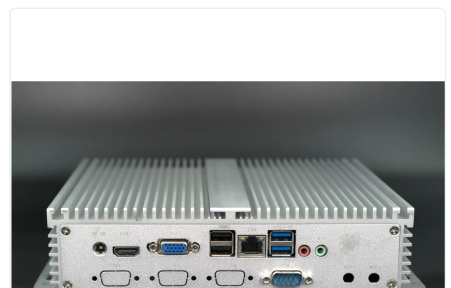
- Quad DB9 male RS232 serial ports for extensive legacy device support.
- Two USB 3.2 and six USB 2.0 (including four convenient front-panel ports) offer versatile peripheral connections.
- Dual video outputs: HDMI and VGA for flexible display setups.
- Integrated 1000 Mbps Ethernet for reliable network communication.
- Audio ports: Speaker Out, Mic In.

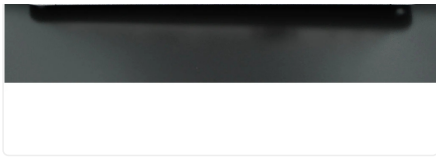
Power and Dimensions

- Compact footprint: 200mm × 184mm × 52mm for easy integration.
- Stable 12V 7A DC power input with a 2 Metre cable.
- Adaptable power input: 100~275 Volts AC.

Ready for Your Toughest Tasks

- Pre-loaded with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a stable, secure, and long-term supported platform for industrial deployments.
- No WiFi – focusing on wired reliability for critical systems.





Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	64 GB
SSD Storage	512 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.55kg, 2.97kg

OPERATING SYSTEM

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

PRODUCT CODE

IPC3-i3_12-[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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