



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: IPC3-I3_12-16_16-M512-12_7-M-11V-0



Unleash Uncompromising Power in Every Environment: The Thinvent® Industrial PC IPC3.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC3, 100% designed in India for unparalleled reliability. Engineered to thrive in harsh environments, this rugged, fanless powerhouse guarantees continuous 24x7 operation, making it ideal for critical industrial and IoT applications. Its sleek, anodised silver aluminium housing not only ensures exceptional durability but also provides efficient heat dissipation.

Performance That Drives Progress

- Powered by an Intel® Core™ i3-1215U processor with 6 cores, boosting up to 4.4 GHz and featuring a 10 MB cache, for rapid data processing and seamless multitasking.
- Equipped with 8GB DDR4 RAM and a swift 128GB SSD, delivering lightning-fast boot times and responsive application performance.

Versatile Connectivity

- Extensive I/O including 2x USB 3.2, 6x USB 2.0 (4 conveniently front-accessible), HDMI, and VGA for dual display capabilities.
- Integrated gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) ensure robust and flexible networking options.

- Audio support with Speaker Out and Mic In ports.

Built for Endurance

- Fanless design eliminates moving parts, reducing maintenance and preventing dust ingress for silent, reliable operation.
- Certified RoHS and ISO compliant, ensuring quality and environmental responsibility.
- Operates flawlessly across a wide temperature range from 0°C to 50°C and 20% to 80% RH non-condensing humidity.
- Compact dimensions (200mm × 184mm × 52mm) for easy integration into any setup.

Operating System

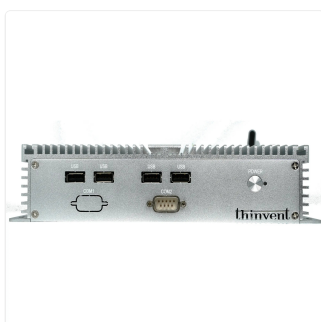
- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing long-term support, enhanced security, and stability tailored for industrial embedded systems.

Power and Design

- Includes a 12V 7A adapter, compatible with a broad 100~275V AC input.
- Rugged silver anodised aluminium chassis.

Elevate your industrial operations with the Thinvent® IPC3

- where cutting-edge performance meets unyielding durability.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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	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	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

