



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

No WiFi

Windows 11 IoT Value

SKU: IPC3-I3_12-16_16-M512-12_5-X-11V-0



Unleash Unrivalled Performance in the Toughest Environments.

Introducing the Thinvent® Industrial PC IPC3, your robust and reliable solution for demanding industrial and IoT applications. Engineered and 100% designed in India, this fanless, rugged workhorse is built for continuous 24x7 operation in harsh conditions, ensuring stability where conventional PCs fail. Its sleek silver anodised aluminium housing provides exceptional durability and a professional finish, designed to resist environmental wear.

Unmatched Performance and Reliability

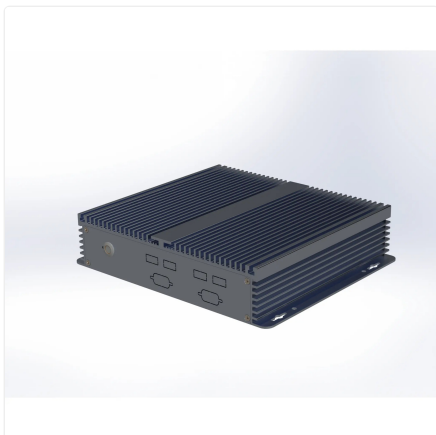
- At its core is the powerful Intel® Core™ i3-1215U processor, featuring 6 efficient cores and a blistering boost frequency of up to 4.4 GHz, backed by a generous 10 MB cache, delivering seamless multi-tasking and rapid data processing.
- With 32GB DDR4 RAM, the IPC3 handles intensive applications with ease, while the responsive 128GB SSD ensures quick boot times and swift access to critical data.

Comprehensive Connectivity for Industrial Needs

- Equipped with a rich array of I/O, including 1x HDMI and 1x VGA for dual display support, dedicated Speaker Out and Mic In ports, and a total of 8x USB ports (2x USB 3.2, 6x USB 2.0), the IPC3 seamlessly integrates with your existing peripherals.
- Gigabit Ethernet ensures high-speed, stable network communication for critical data exchange.

Designed for the Extremes

- Operate confidently in temperatures from 0°C to 50°C and humidity levels from 20% to 80% RH, non-condensing. The wide-range 100~275V AC power input with a 12V 7A DC adapter and 2-metre cable provides flexible power options.
- Certified with RoHS and ISO standards, this IPC guarantees quality and compliance. Its compact 200mm x 184mm x 52mm dimensions make it ideal for space-constrained installations.
- Runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering long-term stability and security for your mission-critical applications.



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
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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_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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