



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)

256GB SSD

No WiFi

Windows 11 Pro

Quad DB9 Serial

SKU: IPC3-I3_12-16_16-M256-12_7-X-11P-4S



Unyielding Power, Unwavering Reliability: Built for the Edge.

Introducing the Thinvent® Industrial PC IPC3, a robust, fanless powerhouse engineered for the most demanding industrial and IoT environments. Proudly 100% designed in India, this durable computing solution ensures seamless 24x7 operation, even in harsh conditions. Its elegant silver anodised aluminium housing speaks to both resilience and precision engineering.

Performance

At its core, the IPC3 boasts an Intel® Core™ i3-1215U processor with 6 cores, delivering blistering speeds up to 4.4 GHz and a substantial 10 MB cache for rapid data processing. Paired with 4GB DDR4 RAM and a swift 128GB SSD, it offers responsive performance essential for critical applications where speed and efficiency are paramount.

Connectivity

Designed for comprehensive industrial integration, the IPC3 features an exceptional array of connectivity

- 6 DB9 male RS232 serial ports for extensive legacy device compatibility and advanced sensor networks.
- 2 USB 3.2 ports and 6 USB 2.0 ports (2 rear, 4 front) for versatile peripheral connection.

- Dual display options with 1 HDMI and 1 VGA, plus speaker out and mic in for complete multimedia needs.
- Gigabit Ethernet (1000 Mbps) ensures stable, high-speed wired networking, crucial where wireless interference or security is a concern.

Durability and Design

Its fanless design eliminates moving parts, significantly enhancing reliability and reducing maintenance in dusty or challenging settings. Housed in a compact 200mm × 184mm × 52mm silver anodised aluminium chassis, the IPC3 is built to last. It operates flawlessly across a wide 0°C ~ 50°C temperature range and 20% ~ 80% RH non-condensing humidity.

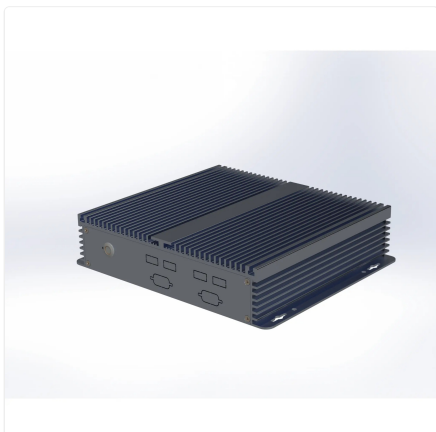
Operating System

Pre-installed with Microsoft Windows 11 Pro, it offers a familiar, secure, and powerful operating environment ready for your industrial software.

Power and Certifications

- Robust power input: 100~275 Volts AC, 50~60 Hz, with a 12V 7A DC adapter for a 2-metre reach.

Certified to RoHS and ISO standards, guaranteeing quality and environmental compliance.



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	256 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 Pro
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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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