

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial



SKU: IPC3-I3_13-16_16-M512-12_5-M-11P-4S

Unleash Uncompromising Power and Reliability in Any Environment.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC3. This rugged, fanless powerhouse is engineered for relentless 24x7 operation in the harshest industrial and IoT environments, proudly 100% designed in India.

Peak Performance Delivered

- Driven by an Intel® Core™ i3-1315U processor with 6 cores, clocking up to 4.5 GHz, and a substantial 10 MB cache.
- Multitask effortlessly with 4GB DDR4 RAM.
- Store vast amounts of data and applications on a lightning-fast 1TB SSD.

Built for the Toughest Challenges

- Fanless design ensures silent operation and superior reliability, resisting dust and debris.
- Robust anodised silver aluminium housing provides exceptional durability and a sleek finish.
- Operates flawlessly from 0°C to 50°C, with 20% to 80% non-condensing humidity.

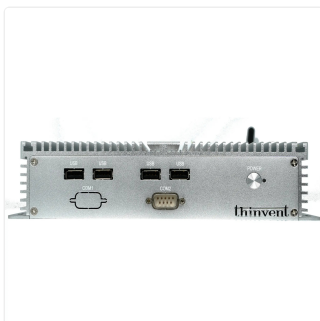
Comprehensive Connectivity

- Integrate seamlessly with existing systems using 6 dedicated DB9 RS232 serial ports.
- Stay connected with Dual Band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port.
- Expand your peripherals with 2x USB 3.2 ports and 6x USB 2.0 ports (2 rear, 4 front-facing), alongside HDMI and VGA outputs.

Ready for Anything

- Pre-installed with Windows 11 Pro for a secure and modern user experience.
- Powered by a robust 12V 7A adapter, capable of handling a wide input voltage range.
- Compact dimensions (200mm x 184mm x 52mm) for easy integration.
- RoHS and ISO certified, ensuring quality and environmental responsibility.

This IPC3 is your go-to solution for robust, high-performance industrial applications.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 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
Rear Serial Port	4 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
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	2.38kg, 2.80kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE

IPC3-i3_13-[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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