



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial



SKU: IPC3-I3_13-16_16-M1024-12_7-M-11V-4S

Thinvent® IPC3: Indian Engineering. Global Resilience.

Experience Unwavering Performance

Introducing the Thinvent® Industrial PC IPC3, a fanless powerhouse meticulously engineered for the most demanding industrial and IoT environments. Designed for 24x7 operation, its rugged build ensures unparalleled reliability and consistent performance where it matters most.

Performance at its Core

At the heart of the IPC3 lies an Intel® Core™ i3-1315U processor with 6 cores, boasting speeds up to 4.5 GHz and a 10 MB cache for rapid data processing. Coupled with 32GB DDR4 RAM and a swift 256GB SSD, this IPC delivers exceptional responsiveness for critical applications, ensuring your operations run smoothly and efficiently.

Connectivity Redefined

Connect with confidence thanks to an extensive array of ports.

- 6 DB9 male RS232 serial ports for legacy and specialized industrial devices
- 2x USB 3.2 and 6x USB 2.0 (4 front-facing) for versatile peripheral support

- HDMI and VGA outputs for dual-display flexibility
- Dual-band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for robust networking

Engineered for Extremes

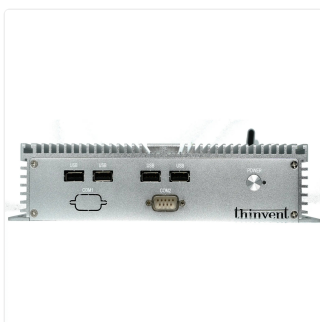
Housed in a compact (200mm × 184mm × 52mm), anodised silver aluminium chassis, the fanless IPC3 thrives in harsh conditions, operating reliably from 0°C to 50°C with 20% ~ 80% RH non-condensing humidity. Its robust design guarantees longevity in challenging industrial settings.

Optimized for IoT

Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC3 provides a secure, stable, and long-term supported platform perfect for embedded and industrial applications.

Proudly Indian

100% designed in India, the Thinvent® IPC3 embodies local innovation with global quality standards, including RoHS and ISO certifications. Power it reliably with the included 12V 7A adapter, capable of handling 100~275V AC input.



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	1024 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	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	2.48kg, 2.90kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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