



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)

512GB SSD

No WiFi

Windows 11 Pro

Quad DB9 Serial

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



Thinvent® Industrial PC IPC3: Unyielding Power, Unrivalled Reliability for Industry.

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 is a rugged, fanless powerhouse designed for 24x7 operation in industrial and IoT applications. 100% designed in India, this IPC combines cutting-edge performance with extreme durability.

Performance That Drives Industry

Powered by an Intel® Core™ i3-1315U processor with 6 cores boosting up to 4.5 GHz and a 10 MB cache, coupled with a generous 16GB DDR4 RAM and a lightning-fast 1TB SSD, the IPC3 delivers exceptional speed and responsiveness for critical industrial software and extensive data processing. Running on Microsoft Windows 11 Pro, it offers enterprise-grade security and modern functionality.

Robust Connectivity & Design

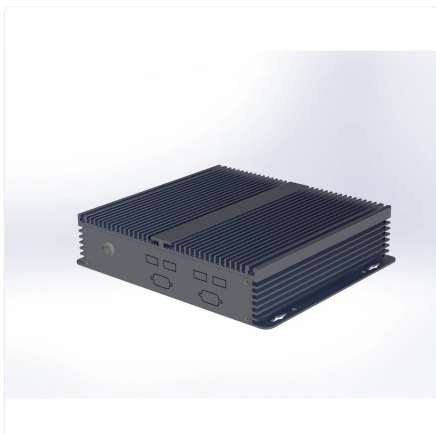
Its fanless architecture eliminates moving parts, ensuring silent operation, resistance to dust, and an extended lifespan in harsh conditions from 0°C to 50°C with 20% ~ 80% RH non-condensing. Connectivity is expansive, featuring

- 6 DB9 male RS232 serial ports for seamless integration with legacy industrial equipment
- 2 high-speed USB 3.2 ports and 6 versatile USB 2.0 ports (including 4 convenient front-facing)
- HDMI and VGA outputs for flexible dual display setups
- Integrated Speaker Out and Mic In for audio interaction
- Gigabit Ethernet for reliable, high-speed network communication.

The compact 200mm × 184mm × 52mm anodised silver aluminium housing is not only elegant but built to endure, safeguarding internal components with RoHS and ISO certifications.

Ready for Anything

With a flexible 100~275V AC power input and stable 12V 7A DC output, the IPC3 is tailored for diverse power environments, offering steadfast performance where it matters most. Experience the pinnacle of industrial computing, engineered for resilience and innovation.



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
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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	2.38kg, 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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