

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

Ubuntu Linux



SKU: IPC3-I3_13-16_16-M512-12_7-M-U-0

Unleash Uncompromising Reliability in Any Environment.

Introducing the Thinvent® Industrial PC IPC3: a robust, fanless computing solution meticulously engineered for the most demanding industrial and IoT applications. Proudly 100% designed in India, this IPC is built for continuous 24x7 operation, even in harsh environments.

Exceptional Performance

- Powered by an Intel® Core™ i3-1315U processor with 6 cores and up to 4.5 GHz, featuring a 10 MB cache, the IPC3 delivers responsive and efficient processing for critical tasks.
- Coupled with 4GB DDR4 RAM and a swift 128GB SSD, it ensures quick boot times and seamless data handling.

Extensive Connectivity

- For versatile integration, it features 1x HDMI, 1x VGA, 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, 1x Speaker Out, and 1x Mic In.
- Reliable, high-speed networking is provided by Gigabit Ethernet (1000 Mbps) and integrated Dual Band Wi-Fi 5 (802.11ac).

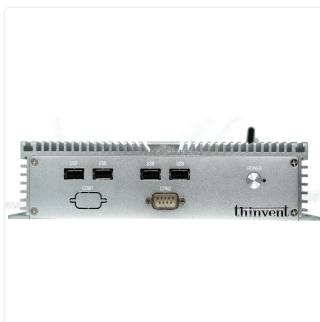
Built for Extremes

- Its sleek, anodised silver aluminium housing (200mm × 184mm × 52mm) offers superior protection and efficient passive cooling, eliminating moving parts for a maintenance-free experience.
- Designed to operate flawlessly from 0°C to 50°C and 20% to 80% RH (non-condensing), it meets RoHS and ISO certifications for quality and environmental standards.
- Powered by a stable 12V 7A adapter with a 2-metre cable, the IPC3 handles a wide power input of 100~275 Volts AC (50~60 Hz, 1.5 Amps maximum).

Secure & Stable Platform

- Pre-installed with Ubuntu Linux 24.04 LTS, the IPC3 provides a secure, open-source, and highly customisable operating system ready for deployment.

The Thinvent® IPC3 offers unparalleled durability, performance, and flexibility, making it the ideal choice for mission-critical industrial deployments.



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

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	Ubuntu Linux 24.04 LTS
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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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