



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

2TB SSD

Dual Band WiFi

Without OS

Quad DB9 Serial



SKU: IPC3-I3_13-16-M2048-12_5-M-W_OS-4S

Unleash Uncompromising Performance: Built for the Toughest Industrial Demands.

Experience the future of industrial computing with the Thinvent® Industrial PC IPC3. Engineered for relentless 24x7 operation in harsh environments, this rugged, fanless powerhouse is 100% designed in India, embodying innovation and durability. Its anodised silver aluminium housing ensures silent, reliable performance where other PCs fail.

Exceptional Performance

- Driven by an Intel® Core™ i3-1315U processor with 6 cores and up to 4.5 GHz, delivering rapid data processing and seamless multitasking.
- 16GB DDR4 RAM ensures smooth operation of demanding applications.
- A 128GB SSD provides lightning-fast boot times and quick access to critical data.

Unrivalled Connectivity

- Six DB9 male RS232 serial ports are indispensable for integrating legacy industrial equipment.
- Dual display outputs (1x HDMI, 1x VGA) enhance operational flexibility.
- Abundant USB connectivity: 2x USB 3.2, 2x USB 2.0, plus 4 additional front USB 2.0 for easy access.

- Reliable networking with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for flexible deployment.
- Audio support includes Speaker Out and Mic In.

Built for Endurance

- Fanless design ensures silent operation and superior dust resistance.
- Operates flawlessly in temperatures from 0°C to 50°C.
- Tolerates 20% to 80% RH non-condensing humidity.
- Powered by a robust 12V 7A adapter with wide 100~275V AC input.
- Compact dimensions (200mm × 184mm × 52mm) allow for versatile installation.
- RoHS and ISO certified for quality and compliance.

Ultimate Flexibility

- Ships without an operating system, allowing you to deploy your preferred OS and custom applications with ease.

The Thinvent® IPC3 is the robust, high-performance solution your industrial and IoT applications demand.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	2048 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	Without OS
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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	
	m2048 = 2TB			
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	110 = Windows 11 Professional		Thinux = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	0 = None		4S = Quad DB9 Serial	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing
#11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales
UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

