



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: IPC3-I3_13-8_8-M1024-12_5-M-11V-0



Powering Progress, Unyielding Performance.

Unleash robust computing power in the toughest environments with the Thinvent® Industrial PC IPC3. 100% designed in India, this rugged, fanless system is engineered for continuous 24x7 operation in industrial and IoT applications, where reliability is non-negotiable.

Exceptional Performance

- Experience swift, responsive computing with the Intel® Core™ i3-1315U processor, featuring 6 cores and speeds up to 4.5 GHz, backed by a 10 MB cache.
- Multitask effortlessly and run demanding applications thanks to 32GB DDR4 RAM.
- Boot up instantly and access data at lightning speed with the 512GB SSD.

Built for Harsh Environments

- The fanless design ensures silent operation and eliminates dust-related failures.

- Operate reliably from 0°C to 50°C and in 20% to 80% RH non-condensing humidity.
- Its durable, anodised silver aluminium housing (200mm × 184mm × 52mm) offers superior protection.
- A wide power input range of 100~275 Volts AC provides flexibility for diverse setups.

Seamless Connectivity & OS

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a 1000 Mbps Ethernet port.
- Versatile port options include 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, HDMI, VGA, Speaker Out, and Mic In.
- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value for optimized industrial functionality.

Certified for quality with RoHS and ISO standards, the Thinvent IPC3 is your compact, powerful, and enduring solution.



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	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

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 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	
	Thinux = Thinux™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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