



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

2TB SSD

Dual Band WiFi

Windows 11 IoT Value



SKU: IPC3-I3_13-32_32-M2048-12_7-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 x 184mm x 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	64 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

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

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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