



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

Ubuntu Linux

Quad DB9 Serial



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

Unmatched Industrial Durability, Unwavering Performance: The Thinvent IPC3.

Engineered to excel in the harshest industrial and IoT environments, the Thinvent® Industrial PC IPC3 delivers robust, fanless 24x7 operation. Proudly 100% designed in India, this system is the epitome of reliability and performance.

Performance Powerhouse

At its core, the IPC3 features an Intel® Core™ i3-1315U processor with 6 cores, boosting up to 4.5 GHz, backed by 10 MB cache and 8GB DDR4 RAM. Experience blazing-fast application loading and data processing with a generous 1TB SSD, ensuring your operations never miss a beat.

Unrivalled Connectivity

Seamlessly integrate with legacy and modern equipment thanks to an exceptional array of I/O, including four dedicated DB9 RS232 serial ports, two USB 3.2, six USB 2.0 (four front-facing), Gigabit Ethernet, and dual-band Wi-Fi 5 (802.11ac). Expand your display options with HDMI and VGA outputs.

Rugged by Design

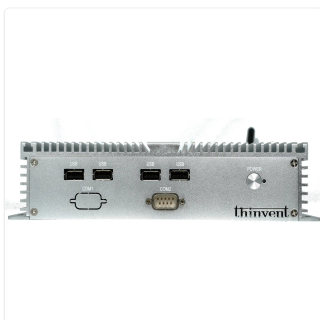
Housed in a sleek, silver anodised aluminium chassis measuring just 200mm × 184mm × 52mm, its fanless operation ensures silent, dust-free performance, even in challenging conditions from 0°C to 50°C. Certified for RoHS and ISO, it's built for long-term endurance.

Operating System

Pre-installed with Ubuntu Linux 24.04 LTS, the IPC3 provides a secure, flexible, and open-source platform ready for your industrial applications.

Key Advantages

- Powerful 6-core Intel Core i3 processor for demanding tasks
- Expansive 1TB SSD and 8GB DDR4 RAM for lightning-fast responsiveness
- Fanless, anodised aluminium housing ensures silent, durable operation
- Four DB9 serial ports for extensive industrial device compatibility
- Dual-band Wi-Fi 5 and Gigabit Ethernet for robust networking
- Wide operating temperature range (0°C ~ 50°C) for diverse environments
- Compact, Indian-designed industrial solution built for reliability



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	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

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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