



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

2TB SSD

No WiFi

Ubuntu Linux

Quad DB9 Serial

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



Thinvent® IPC3: Indian Engineering for Uncompromising Industrial Performance.

Experience unparalleled durability and robust computing with the Thinvent® Industrial PC IPC3. Engineered for the most demanding environments, this fanless, rugged workhorse delivers 24x7 reliability for industrial automation and IoT applications. Proudly 100% designed in India, its anodised silver aluminium housing ensures long-lasting operation in temperatures from 0°C to 50°C.

Core Performance

- Power your critical operations with an Intel® Core™ i3-1315U processor featuring 6 cores, clocking up to 4.5 GHz, and a 10 MB cache for swift data processing.
- Seamless multitasking is guaranteed with 8GB DDR4 RAM.
- Enjoy rapid boot-ups and ample space for essential software on a 256GB SSD.

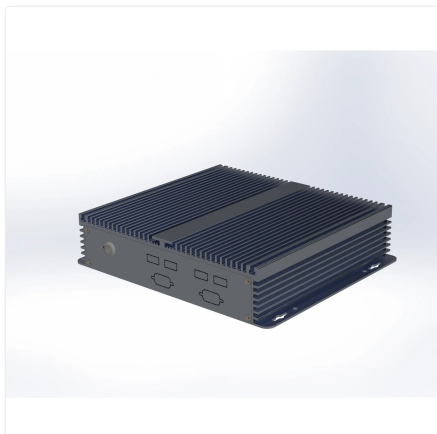
Industrial Connectivity

- Extensive legacy support with 6 DB9 male RS232 serial ports.

- Versatile peripheral connection via 2 USB 3.2 and 6 USB 2.0 ports (4 front).
- Dual display output options with 1 HDMI and 1 VGA.
- Reliable network access with 1000 Mbps Ethernet (no WiFi for enhanced stability).
- Integrated audio with speaker out and mic in.

Designed for Toughness

- Fanless operation eliminates dust ingress and moving parts, maximizing uptime.
- Compact dimensions (200mm × 184mm × 52mm) allow for easy integration.
- Powered by a stable 12V 7A DC adapter with a 2-metre cable, accepting 100~275V AC input.
- Ships with Ubuntu Linux 24.04 LTS, offering a secure and flexible open-source platform.
- RoHS and ISO certified for quality and environmental compliance.



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
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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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