



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

2TB SSD

Dual Band WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I5_13-16_16-M2048-12_7-M-U-4S



Unleash Industrial Power: The Reinvented Thinvent® IPC5.

Experience unparalleled performance and rugged reliability with the Thinvent® IPC5 Industrial PC, engineered for the most demanding industrial applications. Designed and manufactured in India, this fanless powerhouse is built to withstand harsh environments while delivering exceptional processing capabilities.

Key Performance Highlights

- Processor: Intel® Core™ i5-1335U (10 core, up to 4.6 GHz, 12 MB cache) for blazing-fast computation.
- Memory: 4GB DDR4 RAM for smooth multitasking.
- Storage: 128GB SSD for rapid data access and boot times.

Connectivity for Every Need

- Video Output: HDMI and VGA for versatile display options.
- Audio: Dedicated Speaker Out and Mic In.
- USB: 2 x USB 3.2 and 2 x USB 2.0 ports.
- Serial Ports: 6 DB9 male RS232 ports for extensive device integration.

- Network: 1000 Mbps Ethernet and Dual Band Wi-Fi 5 (802.11ac) for reliable connectivity.

Built for the Toughest Environments

- Rugged Design: Aluminium housing with a sophisticated dark grey anodised finish ensures durability.
- Wide Operating Temperature: 0°C to 50°C.
- Humidity Tolerance: 20% to 80% RH (non-condensing).

Seamlessly integrated with Ubuntu Linux 24.04 LTS, the Thinvent® IPC5 is your ideal solution for advanced industrial automation, machine vision, and edge computing. Power your innovation with this robust and feature-rich industrial PC.

Specifications

- Power Adapter: 12V 7A, 100~275 Volts AC input.
- Dimensions: 197mm × 210mm × 65mm.
- Certifications: RoHS, ISO.



Thinvent Industrial PC IPC5



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front 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	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	197mm × 210mm × 65mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.82kg, 3.24kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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Ordering Information

PRODUCT CODE

IPC5-i5_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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