



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC5-I5_13-16-M1024-12_5-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 x 210mm x 65mm.
- Certifications: RoHS, ISO.



Specifications

PROCESSING

Generation	13th
Series	i5
Processor Brand	Intel
Processor Model	1335U
Cores	10
Max Frequency	4.6 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	1024 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	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	197mm × 210mm × 65mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.72kg, 3.14kg

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 64 = 64GB DDR4
SSD	m128 = 128GB m256 = 256GB m32 = 32GB 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 Thinix = Thinix™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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