



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM

1TB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-I5_13-16-M1024-12_5-X-W_OS-4S



Unleash Unrivaled Performance for the Toughest Industrial Frontiers.

The Thinvent® Industrial PC IPC5 redefines industrial computing with a blend of raw power, rugged design, and extensive connectivity, all 100% designed in India. This high-performance, fanless powerhouse is engineered for the most demanding applications, including advanced industrial automation, machine vision, and edge computing.

Key Advantages

- Unmatched Processing Power:
 - At its core, an Intel® Core™ i5-1335U processor, a 10-core marvel clocking up to 4.6 GHz with a 12 MB cache, ensures blazing-fast execution for complex algorithms and real-time data processing.
 - Seamless Operation:
 - Efficient 4GB DDR4 RAM handles intensive multitasking, while a colossal 1TB SSD provides lightning-fast storage for critical applications and data.
 - Superior Connectivity:
 - Featuring an exceptional six DB9 RS232 serial ports, this IPC offers unparalleled compatibility for legacy industrial devices and extensive sensor integration.

- Dual display support with HDMI and VGA outputs.
- Four USB ports (2x 3.2, 2x 2.0) and a robust 1000 Mbps Ethernet port ensure versatile peripheral and network integration.
 - Built for Endurance:
 - Its rugged, fanless aluminium housing with a smooth, dark grey anodised finish dissipates heat efficiently, ensuring silent, maintenance-free operation in challenging environments from 0°C to 50°C and 20% to 80% non-condensing humidity.
 - Adhering to RoHS and ISO certifications, the IPC5 guarantees reliability and compliance.
 - Flexible Deployment:
 - Delivered without an operating system, it offers complete freedom to install your preferred industrial OS, perfectly tailoring it to your unique needs.
 - A wide range 100~275V AC power input with a 12V 7A adapter ensures stable power globally.

The Thinvent® IPC5 stands as a testament to cutting-edge engineering, providing the robust, high-performance foundation your industrial operations demand.



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
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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	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	Without OS
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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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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