



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

8GB DDR4 RAM

512GB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC5-I5_13-8-M512-12_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	8 GB
SSD Storage	512 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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