



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)

512GB SSD

Dual Band WiFi

DOS

Quad DB9 Serial

SKU: IPC5-I5_13-16_16-M512-12_7-M-DOS-4S



Thinvent® IPC5: Unrivalled Power and Robustness for the Industrial Frontier.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC5. Designed 100% in India, this fanless powerhouse delivers extreme performance and unwavering reliability for the most demanding applications in industrial automation, machine vision, and edge computing.

Unleash exceptional processing might

- Intel® Core™ i5-1335U processor with 10 cores and speeds up to 4.6 GHz
- Generous 12 MB cache for rapid data access
- Fast 4GB DDR4 RAM for seamless multitasking
- Ultra-speedy 512GB SSD for instant boot-ups and ample storage

Connect without limits

- Six DB9 RS232 serial ports for extensive legacy equipment integration
- Dual display outputs (HDMI and VGA) for versatile monitoring

- Four USB ports (2x USB 3.2, 2x USB 2.0) for modern peripherals
- Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust networking

Built to endure, engineered for excellence

- Rugged, fanless dark grey anodised aluminium housing ensures silent, dust-free operation in harsh environments
- Wide operating temperature range of 0°C to 50°C
- Compact dimensions (197mm × 210mm × 65mm) for easy integration
- ISO and RoHS certified for quality and compliance

The IPC5 comes with FreeDOS, offering the flexibility to deploy your preferred operating system. Elevate your industrial operations with the Thinvent® IPC5 – where performance meets durability.



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	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
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	FreeDOS
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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		m256 = 256GB	
	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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