



Thinvent Industrial PC IPC5

Intel Core i5-1335U processor

10 core, up to 4.6 GHz, 12 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC5-I5_13-8_8-M512-12_7-X-THINUX-4S



Rugged Power, Seamless Connectivity: The Thinvent® IPC5 Industrial PC.

Unleash unparalleled industrial capability with the Thinvent® Industrial PC IPC5, a high-performance, rugged, and fanless computing solution engineered for the most demanding environments. Proudly 100% designed in India, this IPC represents the pinnacle of reliability and advanced integration for automation, machine vision, and edge computing.

Performance Redefined

- At its core, an Intel® Core™ i5-1335U processor boasts 10 cores, reaching speeds up to 4.6 GHz with a 12 MB cache, ensuring rapid data processing for critical applications.
- Complementing this power is a substantial 32GB DDR4 RAM and a lightning-fast 1TB SSD, providing ample memory and storage for complex tasks.

Exceptional Connectivity

- The IPC5 excels in industrial integration with six robust DB9 male RS232 serial ports, alongside two USB 3.2 and two USB 2.0 ports for versatile peripheral connections.
- Visual outputs include HDMI and VGA, while a Gigabit Ethernet port ensures high-speed network communication.

Built for Extremes

- Its fanless design guarantees silent operation and enhanced durability in dusty or harsh conditions, operating reliably from 0°C to 50°C.
- Housed in a compact dark grey anodised aluminium chassis, it provides robust protection and a sleek, professional finish.
- Powered by a wide-range 100~275V AC input and certified with RoHS and ISO standards, the IPC5 is engineered for continuous operation.

Thinux™ Embedded Linux Advantage

- Running Thinvent® Thinux™ Embedded Linux, the IPC5 offers a secure, stable, and feature-rich environment.
- Benefit from integrated browsers, comprehensive remote management (RDP 10, SSH, VNC shadowing), and extensive application support for Java, Python, and glibc.
- It also includes LibreOffice, PDF viewer, multimedia playback, and SIP video/voice over IP for a complete industrial ecosystem.



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	16 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	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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

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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