Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

8GB DDR4 RAM

512GB SSD

No WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC5-I5_12L-8-M512-12_5-X-THINUX-4S

Engineered for the extremes of industry.

Meet the IPC5: a powerhouse of rugged reliability built to drive your most demanding applications. Designed from the ground up in India, it delivers exceptional performance where it matters most, from the factory floor to the network edge.

Unmatched power for intelligent automation

Harness substantial processing muscle to handle complex tasks like advanced machine vision, real-time data analytics, and precision control systems. Its robust architecture ensures seamless operation for your critical industrial software.

Built tough for any environment

With a fanless, solid-state design encased in a sleek, anodised aluminium chassis, this PC thrives where others fail. It operates silently and reliably in dusty, vibrating, or temperature-challenged settings, eliminating points of failure.

Connect and control with absolute confidence

Boasting extensive connectivity, it integrates seamlessly with a legacy of industrial equipment and modern networks. This makes it the perfect central hub for automation panels, sophisticated edge computing nodes, and dedicated process controllers.

Your robust platform for innovation

Pre-loaded with a secure, versatile embedded OS, it provides a stable and customisable foundation for specialised applications. It's ready to become the resilient brain of your operation, ensuring peak performance day in and day out.

Thinvent Industrial PC IPC5

Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 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
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232
Rear Serial Port	4 DB9 male RS232

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	2.83kg, 3.25kg

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.

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Ordering Information

PRODUCT CODE

`IPC5-i5_12l-[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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