



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

No WiFi

Thinux Embedded Linux

SKU: IPC5-I5_12-16_16-M256-12_5-X-THINUX-0



Unyielding Power, Unrivalled Reliability: The Thinvent® IPC5.

The Thinvent® Industrial PC IPC5: a high-performance, rugged, fanless powerhouse, 100% designed in India. Ideal for advanced industrial automation, machine vision, and edge computing, it delivers unwavering performance in harsh environments.

Peak Performance Redefined

- Driven by an Intel® Core™ i5-1250P processor (12 cores, up to 4.4 GHz, 12 MB cache), the IPC5 offers unparalleled processing for complex tasks.
- With 32GB DDR4 RAM and a lightning-fast 1TB SSD, expect seamless multitasking and rapid data access, vital for mission-critical applications.

Built Tough for Industry

- Its fanless design ensures silent, maintenance-free operation and extended lifespan.
- The robust, dark grey anodised aluminium housing (197x210x65mm) provides superior heat dissipation and durability.

- Certified RoHS and ISO, it reliably operates from 0°C to 50°C and 20-80% RH.

Extensive Connectivity & Control

- Connect with versatile I/O: 2x USB 3.2, 2x USB 2.0, HDMI, VGA, Speaker Out, Mic In, and a Gigabit Ethernet port for robust networking.
- Power is supplied via a 12V 7A adapter, supporting wide 100-275V AC input.

Thinvent® Thinux™ Embedded Linux

- This secure, versatile OS provides a comprehensive industrial platform, enabling:
- Web browsing (Chromium, Firefox) and robust remote management (RDP 10, SSH, VNC).
- Full support for Java, Python, glibc applications, LibreOffice, PDF, multimedia, and SIP video/voice.

The Thinvent® IPC5 combines raw power with unmatched resilience, the ultimate solution for demanding industrial applications.



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	32 GB
SSD Storage	256 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

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	2.83kg, 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.

Ordering Information

PRODUCT CODE				
IPC5-i5_12-[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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