Thinvent Industrial PC IPC5

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM (2 x 16GB)

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-CU5_14L-16_16_5-M256-12_7-X-11V-0



Engineered for the industrial edge: The Thinvent IPC5 delivers relentless computing power, sealed in silent, rugged reliability.

Built for demanding applications

- Power advanced machine vision systems with the speed and intelligence to make real-time decisions.
- Drive sophisticated automation lines with flawless precision and uptime.
- Process data at the network edge with robust, fanless operation that thrives in harsh environments.

Rugged by design

- Its fanless, all-metal chassis ensures complete silence and immunity to dust and particulates.
- Engineered for 24/7 operation in fluctuating temperatures, providing steadfast reliability where it matters most.
- Features extensive connectivity with dual LAN and legacy serial ports for seamless integration into any industrial ecosystem.

More than just robust hardware, it's a partner in progress. This high-performance Industrial PC is proudly 100% designed in India, bringing world-class innovation and durability to the heart of your operations. Deploy the IPC5 and build your industrial future on a foundation of uncompromising power and resilience.









Thinvent Industrial PC IPC5

Specifications

PROCESSING

Generation	14th
Series	Ultra 5
Processor Brand	Intel
Processor Model	125U
Cores	12
Max Frequency	4.3 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	256 GB

DISPLAY

HDMI 2.0	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	2
Front Serial Port	2 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2

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	200mm × 155mm × 37mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Dark Grey
Net and Gross Weight	2.92kg, 3.72kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value

Thinvent Industrial PC IPC5

Ordering Information

PRODUCT CODE

`IPC5-cu5_14l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]`

RAM	**8_5** = 8GB DDR5	**16_5** = 16GB DDR5	**32_5** = 32GB DDR5	**32_32_5** = 64GB DDR5 RAM (2 x 32GB)
	16_16_5 = 32GB DDR5 RAM (2 x 16GB)	**8_8_5** = 16GB DDR5 RAM (2 x 8GB)		
SSD	**m128** = 128GB		**m256** = 256GB	
	m512 = 512GB		**m1024** = 1TB	
	m2048 = 2TB			
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**Thinux** = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	**0** = None		**4S** = Quad DB9 Serial	

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