



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)

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5_12-16_16-M512-12_7-X-11V-0



Unyielding Power, Unrivalled Precision: The IPC5 Redefines Industrial Computing.

Introduction

Engineered for the harshest environments, the Thinvent® Industrial PC IPC5 delivers uncompromising performance in a rugged, fanless design. 100% designed in India, this powerhouse drives advanced industrial automation, machine vision, and edge computing.

Core Performance

At its heart is the Intel® Core™ i5-1250P processor, boasting 12 cores and a blistering 4.4 GHz max frequency, backed by a 12 MB cache for exceptional processing power. With 4GB DDR4 RAM and a lightning-fast 512GB SSD, the IPC5 ensures rapid data processing and seamless operation. It runs on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a secure, stable, and long-lifecycle platform for critical industrial tasks.

Rugged Design & Reliability

Experience unwavering reliability with its robust, fanless aluminium housing, featuring a sleek, dark grey anodised finish. This design ensures silent operation and eliminates dust ingress, making it ideal for challenging temperatures from 0°C to 50°C and humidity up to 80% RH. RoHS and ISO certifications affirm its quality and environmental compliance.

Extensive Connectivity

The IPC5 offers versatile connectivity to seamlessly integrate into your industrial ecosystem.

- Dual display support via 1x HDMI and 1x VGA
- Ample USB connectivity with 2x USB 3.2 and 2x USB 2.0
- High-speed networking with 1000 Mbps Ethernet
- Audio flexibility with Speaker Out and Mic In

Its compact 197x210x65mm dimensions and versatile 100~275V AC power input (with 2-metre cable) simplify deployment in diverse settings.



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	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

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	2.92kg, 3.34kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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