



# Thinvent Industrial PC IPC5

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 16GB DDR4 RAM

## 128GB SSD

## No WiFi

## Windows 11 IoT Value

SKU: IPC5-I5\_12-16-M128-12\_5-X-11V-0



Unyielding Power, Unrivaled 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

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Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	128 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

### CONNECTIVITY

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USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front Serial Port	2 DB9 male RS232

### NETWORKING

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Ethernet	1000 Mbps
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### POWER

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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

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Operating Temperature	0°C ~ 50°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	RoHS, ISO

### PHYSICAL

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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

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Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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## Ordering Information

PRODUCT CODE	
<b>IPC5-i5_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
RAM	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
SSD	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB
Wireless	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
OS	<b>DOS</b> = DOS <b>W_OS</b> = Without OS <b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro <b>Thinux</b> = Thinux™ Embedded Linux <b>U</b> = Ubuntu Linux
Accessories	<b>0</b> = None <b>4S</b> = Quad DB9 Serial

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