



Thinvent Industrial PC IPC5

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: IPC5-I5_12-8-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

| | |
|-----------------|---------|
| 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 | 128 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 |
|----------|-----------|

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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

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 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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