



Thinvent Industrial PC IPC5

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Without OS

SKU: IPC5-I7_12L-16-M256-12_7-M-W_OS-0



Engineered for the relentless pace of modern industry.

Uncompromising Power, Unshakeable Reliability

Harness exceptional processing muscle for your most demanding tasks. From complex automation sequences to real-time machine vision analysis and intelligent edge computing, this industrial PC delivers seamless, lag-free performance where it matters most.

Built to Endure, Designed to Connect

Its rugged, fanless aluminium chassis thrives in harsh environments, eliminating dust ingress and mechanical failure. Enjoy expansive connectivity with dual Gigabit LAN and legacy serial ports, ensuring seamless integration into any existing system or network. The sleek, anodised dark grey finish embodies a robust, professional aesthetic.

100% Designed in India for Global Ambition

A purpose-built workhorse supporting advanced industrial applications. Deploy with confidence for superior control, monitoring, and data processing right at the source.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i7 |
| Processor Brand | Intel |
| Processor Model | 1255U |
| Cores | 10 |
| Max Frequency | 4.7 GHz |
| Cache | 12 MB |
| Main Memory | 16 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 |
| Front USB 2.0 | 3 |
| Front Serial Port | 2 DB9 male RS232 |
| RS485 Option | 1 |

NETWORKING

| | |
|---------------------|-------------------------------|
| Ethernet | 1000 Mbps |
| Ethernet Ports | 2 |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

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 | Without OS |
|------------------|------------|

Ordering Information

| PRODUCT CODE | |
|---|--|
| IPC5-i7_12l-[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 Thinix = Thinix™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None 4S = Quad DB9 Serial |

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