



# Thinvent Industrial PC IPC5

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 32GB DDR4 RAM

## 512GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: IPC5-I7\_12L-32-M512-12\_5-M-THINUX-0



Engineered for the relentless edge.

### Uncompromising Power for Advanced Automation

Tackle complex industrial tasks with confidence. This high-performance industrial PC delivers the robust processing muscle needed for demanding applications like machine vision and real-time edge computing, ensuring your operations keep pace without breaking a sweat.

### Built Tough for Any Environment

Designed to thrive where others falter. Its rugged, fanless aluminium construction ensures flawless 24/7 operation in harsh conditions, free from the dust and vibration that disrupt lesser systems. The sleek, anodised grey finish isn't just for looks—it's a statement of durable, reliable engineering.

### Maximum Connectivity, Seamless Integration

Forget compatibility headaches. With a wealth of legacy and modern ports, this unit seamlessly bridges the gap between new and existing equipment. Comprehensive remote management and support for major industrial protocols turn complex networks into a unified, easily controlled ecosystem.

### Simplify Control with Intelligent Design

Gain complete oversight from anywhere. The integrated platform includes powerful tools for remote access, display, and system management, allowing you to monitor and adjust processes without setting foot on the factory floor. It's industrial computing, made brilliantly simple and accessible.

Proudly conceived and refined with precision engineering in India.



## Specifications

### PROCESSING

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Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 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
Front USB 2.0	3
Front Serial Port	2 DB9 male RS232
RS485 Option	1

### NETWORKING

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

### 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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

## Ordering Information

PRODUCT CODE	
<b>IPC5-i7_12l-[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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