



# 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**

**Thinix Embedded Linux**

**Quad DB9 Serial**



SKU: IPC5-I7\_12L-32-M512-12\_5-M-THINUX-4S

Unleash robust intelligence at the industrial edge.

### Engineered for Demanding Environments

This high-performance industrial PC is built to thrive where others falter. Its 100% fanless design and rugged aluminium housing ensure silent, reliable operation free from dust and failure, even in the harshest conditions. The smooth anodised grey finish isn't just for looks—it provides superior durability for continuous use.

### Power for Advanced Applications

Harness serious processing muscle to drive your most critical operations. From complex machine vision systems and real-time edge computing to advanced automation controls, this unit delivers the uncompromising performance needed to keep your processes sharp, responsive, and intelligent.

### Maximum Connectivity, Minimal Fuss

Built to integrate seamlessly into existing infrastructures, it offers extensive legacy and modern connectivity. Manage multiple devices and networks effortlessly with dual Gigabit LAN and quad serial ports, all while maintaining a compact, clutter-free footprint.

### Simplify Remote Management

Gain complete oversight from anywhere. The integrated Thinix™ operating system includes powerful tools for browser-based remote management, secure system shadowing, and remote desktop access, dramatically reducing downtime and the need for physical intervention.

100% Designed in India for Global Reliability.



## 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
Rear Serial Port	4 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

### 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.

Cable Length

2 Metre

## 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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