



# Thinvent Industrial PC IPC3

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 1TB SSD

## No WiFi

## Thinux Embedded Linux

## Quad DB9 Serial

SKU: IPC3-I3\_12-8-M1024-12\_5-X-THINUX-4S



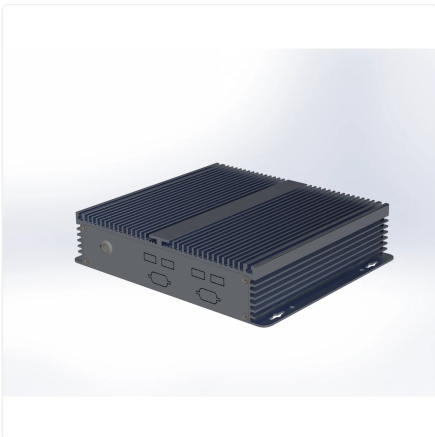
Unleash Unrivaled Industrial Power, Engineered for Endurance.

Introducing the Thinvent® Industrial PC IPC3: a rugged, fanless workhorse 100% designed in India, built for 24x7 operation in the harshest environments. Its anodised silver aluminium housing ensures exceptional durability and heat dissipation, keeping your operations running smoothly from 0°C to 50°C.

At its core, an Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache) delivers blazing-fast performance for demanding industrial and IoT applications. With immense 64GB DDR4 RAM and a lightning-quick 1TB SSD, the IPC3 handles complex data processing and storage with effortless efficiency.

Connectivity is paramount with the IPC3. It boasts six DB9 male RS232 serial ports, Gigabit Ethernet, versatile video output (HDMI, VGA), two USB 3.2 ports, and six USB 2.0 ports (four front-facing), ensuring seamless integration with legacy and modern peripherals. Powering this robust system is Thinvent® Thinux™ Embedded Linux, a secure and versatile OS optimized for industrial control. It comes pre-loaded with essential tools: Chromium and Mozilla Firefox browsers, RDP 10 for remote display, browser-based remote management, VNC shadowing, and supports Java, Python, LibreOffice, multimedia, and SIP video/voice over IP, providing a comprehensive software suite.

Compact at just 200mm × 184mm × 52mm, the IPC3 is easy to deploy. It features a reliable 12V 7A DC input, supported by a universal 100~275V AC power adapter. Trust in its quality, backed by RoHS and ISO certifications. The IPC3 is your dependable partner for critical industrial automation.



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	8 GB
SSD Storage	1024 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
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
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

### 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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.45kg, 2.87kg

### 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>IPC3-i3_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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