



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM

2TB SSD

No WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC3-I3_13-16-M2048-12_7-X-THINUX-4S



Relentless Performance, Unyielding Durability: The Thinvent® IPC3 Industrial PC.

Introduction

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 delivers exceptional reliability and raw power in a rugged, fanless design. This 100% Indian-designed solution is built for 24x7 operation in critical industrial and IoT applications, where unwavering performance is paramount.

Core Performance

Powered by an Intel® Core™ i3-1315U processor, featuring 6 cores, up to 4.5 GHz, and 10 MB cache, the IPC3 handles intensive tasks with ease. With 8GB DDR4 RAM and a swift 512GB SSD, enjoy rapid data processing and storage. Its fanless architecture ensures silent operation and maximum uptime by eliminating dust ingress and mechanical failures common in harsh settings.

Connectivity & Expansion

Experience unparalleled connectivity with a comprehensive array of ports, designed for versatility and integration

- 6 DB9 male RS232 Serial Ports for legacy equipment and specialized sensors.
- Dual display outputs: 1 HDMI and 1 VGA.
- Abundant USB connectivity: 2 USB 3.2 and 6 USB 2.0 (2 rear, 4 front).
- High-speed 1000 Mbps Ethernet for robust network communication.

- Dedicated Speaker Out and Mic In ports.

Operating System

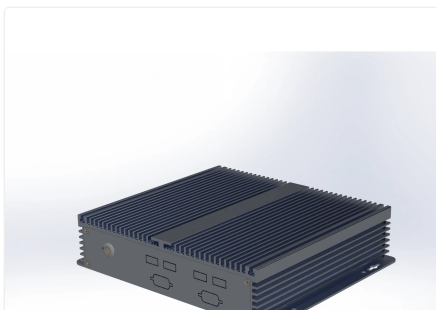
Running Thinvent® Thinux™ Embedded Linux, the IPC3 offers a secure, robust, and remotely manageable platform, purpose-built for industrial applications.

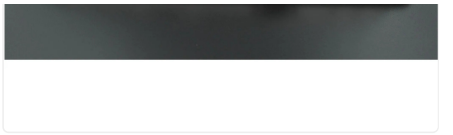
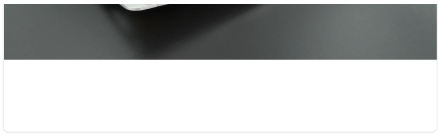
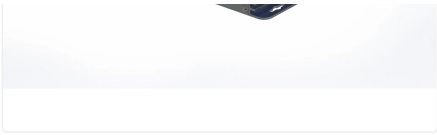
Thinux™ Features

- Secure browsing with Chromium and Mozilla Firefox.
- Advanced remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Browser-based remote management.
- Comprehensive application support for Java, Python, and glibc-based applications.
- Integrated LibreOffice and PDF viewer.
- Multimedia player with MPEG4 support, plus SIP video and voice over IP.

Rugged Design & Reliability

Encased in a sleek, anodised silver aluminium housing (200mm × 184mm × 52mm), the IPC3 is built tough. It withstands operating temperatures from 0°C to 50°C and 20% ~ 80% RH non-condensing humidity. With RoHS and ISO certifications, and a robust 12V 7A adapter supporting 100~275V AC input, this PC is engineered for relentless performance and durability.





Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	2048 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

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

NETWORKING

Ethernet	1000 Mbps
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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	200mm × 184mm × 52mm
Packing Dimensions	340mm × 235mm × 105mm
Housing Material	Aluminium
Housing Finish	Anodised
Housing Colour	Silver
Net and Gross Weight	2.48kg, 2.90kg

OPERATING SYSTEM

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

IPC3-i3_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM

4 = 4GB DDR4

8 = 8GB DDR4

16 = 16GB DDR4

32 = 32GB DDR4

32_32 = 64GB
DDR4 RAM (2 x
32GB)16_16 = 32GB
DDR4 RAM (2 x
16GB)8_8 = 16GB DDR4
RAM (2 x 8GB)

SSD

m128 = 128GB

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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