



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinux Embedded Linux

Quad DB9 Serial



SKU: IPC3-I3_12-16-M1024-12_5-M-THINUX-4S

Thinvent® IPC3: Unleash Unrivaled Performance and Durability for Your Industrial Edge.

Engineered and 100% designed in India, the Thinvent® Industrial PC IPC3 is your robust, fanless solution for demanding industrial and IoT environments. Built for relentless 24x7 operation, its durable anodised silver aluminium housing ensures reliability and efficient heat dissipation in the harshest conditions, from 0°C to 50°C.

Performance Beyond Limits

- Powered by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and 10 MB cache, the IPC3 delivers exceptional processing power for critical data acquisition, control, and automation tasks.
- Coupled with 4GB DDR4 RAM and a rapid 256GB SSD, experience lightning-fast boot-ups and seamless application execution.

Connectivity for Every Challenge

- Integrate effortlessly with legacy and modern systems thanks to an unparalleled six DB9 male RS232 serial ports.

- Stay connected with reliable dual-band Wi-Fi 5 (802.11ac) and a high-speed 1000 Mbps Ethernet port.
- Ample peripheral support includes two USB 3.2, two USB 2.0, and four front USB 2.0 ports, alongside HDMI and VGA for dual display capabilities.

Intelligent Embedded OS

- Pre-installed with Thinvent® Thinux™ Embedded Linux, this IPC provides a secure, optimized platform.
- Benefit from robust remote management features including RDP 10, SSH, and browser-based control, enabling efficient off-site monitoring and maintenance.
- Enjoy built-in support for Chromium/Firefox, Java, Python, LibreOffice, and multimedia, making it versatile for diverse industrial applications.

The Thinvent® IPC3 is more than a PC; it's the resilient brain your industrial operations need, certified with RoHS and ISO for peace of mind.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	1024 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
RS485 Option	1

NETWORKING

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

POWER

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

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	2.45kg, 2.87kg

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_12-[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 Thinux = Thinux™ Embedded Linux U = Ubuntu Linux
Accessories	0 = None 4S = Quad DB9 Serial

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