



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

2TB SSD

No WiFi

Ubuntu Linux

Quad DB9 Serial

SKU: IPC3-I3_12-16-M2048-12_5-X-U-4S



Unyielding Power, Unmatched Reliability: The Heart of Your Industrial Operations.

Engineered for the most demanding environments, the Thinvent® Industrial PC IPC3 is a rugged, fanless workhorse, 100% designed in India. Built for unwavering 24x7 operation, it's the definitive solution for critical industrial and IoT applications requiring robust performance and extensive connectivity.

Unleash Performance

- Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache) for superior processing power.
- 16GB DDR4 RAM to handle intensive multitasking with ease.
- 256GB SSD ensures lightning-fast boot-ups and data access.

Extensive Connectivity for Industrial Demands

- 6 DB9 male RS232 serial ports for unparalleled legacy device and peripheral integration.
- 2x USB 3.2 and 6x USB 2.0 (4 front) for comprehensive device support.
- HDMI and VGA outputs for dual display setups.

- Gigabit Ethernet for high-speed network communication.

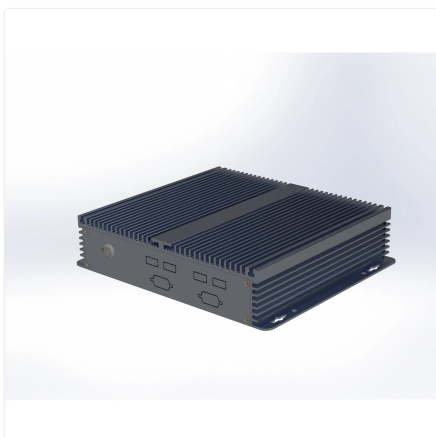
Rugged Design & Durability

- Fanless operation ensures silence, reliability, and reduced maintenance in harsh conditions.
- Robust anodised silver aluminium housing provides exceptional durability and heat dissipation.
- Designed for extreme operating temperatures from 0°C to 50°C and 20% to 80% RH non-condensing.
- Compact dimensions (200mm × 184mm × 52mm) for versatile deployment.

Ready for Deployment

- Pre-installed with Ubuntu Linux 24.04 LTS for a secure, stable, and flexible platform.
- RoHS and ISO certified, meeting stringent quality and environmental standards.

Power your industrial future with the Thinvent® IPC3 – where performance meets unyielding resilience.



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	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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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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	Ubuntu Linux 24.04 LTS
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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

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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