



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

8GB DDR4 RAM

2TB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial



SKU: IPC3-I3_12-8-M2048-12_7-M-11V-4S

Unleash Industrial Power, Anywhere: Introducing the Thinvent® IPC3 Industrial PC.

Built for the Toughest Challenges

Experience unparalleled reliability and performance with the Thinvent® IPC3, a fanless, rugged Industrial PC engineered for 24x7 operation in demanding environments. Designed and manufactured with precision in India, its anodised aluminium housing ensures durability and a sleek, silver finish that complements any industrial setting.

Powerful Processing for Demanding Tasks

Equipped with an Intel® Core™ i3-1215U processor, featuring 6 cores and a turbo boost up to 4.4 GHz with 10 MB cache, the IPC3 handles complex industrial applications with ease. Paired with a massive 64GB DDR4 RAM, multitasking and data-intensive operations are seamless.

Versatile Connectivity for Seamless Integration

The IPC3 boasts extensive connectivity options to integrate flawlessly into your existing infrastructure.

- 1 x HDMI
- 1 x VGA
- 1 x Speaker Out
- 1 x Mic In
- 2 x USB 3.2 ports
- 2 x USB 2.0 ports
- 4 x Front USB 2.0 ports
- 6 x DB9 male RS232 serial ports for legacy device support

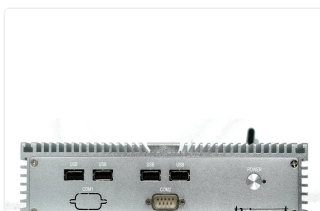
- 1000 Mbps Ethernet for robust network connectivity
- Dual-band Wi-Fi (802.11ac) for flexible wireless integration

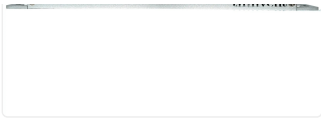
Reliable Operation and Future-Proof OS

Enjoy peace of mind with its robust power supply (12V 7A Adapter) and wide AC input range. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the IPC3 provides a stable and secure platform for your IoT and industrial applications. Its fanless design operates efficiently within a temperature range of 0°C to 50°C and humidity of 20% to 80% RH non-condensing.

Key Specifications

- Processor: Intel® Core™ i3-1215U (6 Core, up to 4.4 GHz, 10 MB Cache)
- Memory: 64GB DDR4 RAM
- Storage: 128GB SSD
- Power: 12V 7A Adapter (100~275 Volts AC input)
- Wireless: Dual Band Wi-Fi 5 (802.11ac)
- Operating System: Windows 11 IoT Enterprise LTSC 2024 Value
- Serial Ports: 6 x DB9 RS232
- Certifications: RoHS, ISO
- Dimensions: 200mm × 184mm × 52mm





Specifications

PROCESSING

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

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	2.55kg, 2.97kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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