



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

Ubuntu Linux

SKU: IPC3-I3_12-8-M1024-12_5-X-U-0



Unleash Unrivaled Performance in Any Environment.

Introducing the Thinvent® Industrial PC IPC3: your ultimate solution for demanding industrial and IoT applications. This 100% designed in India, rugged, fanless computer is engineered for 24x7 operation in even the harshest environments.

Peak Performance For Critical Tasks

- Drive complex operations with the powerful Intel® Core™ i3-1215U processor, featuring 6 cores, up to 4.4 GHz, and 10 MB cache.
- Multitask effortlessly and handle vast datasets with 64GB DDR4 RAM.
- Experience lightning-fast boot-ups and application loading from the reliable 256GB SSD.
- Built on a secure and stable foundation, it comes pre-installed with Ubuntu Linux 24.04 LTS.

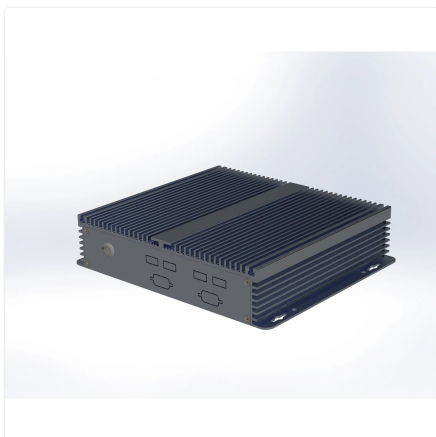
Designed For The Edge

- Its robust, anodised silver aluminium housing (200mm × 184mm × 52mm) offers exceptional durability and a sleek finish.
- Operate reliably from 0°C to 50°C and 20% to 80% humidity, without compromise.
- Benefit from silent, maintenance-free fanless operation, perfect for dust-sensitive areas.

Versatile Connectivity

- Connect essential peripherals with 2x USB 3.2, 6x USB 2.0, Gigabit Ethernet, and dual display outputs (HDMI, VGA).
- Power your setup with a wide range 100~275V AC input, delivering a stable 12V 7A DC.

The Thinvent IPC3 is more than a PC; it's a dependable workhorse certified by RoHS and ISO, ready to empower your industrial future.



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 | 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 |
| RS485 Option | 1 |

NETWORKING

| | |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

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 |
|------------------|------------------------|

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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