



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

DOS

SKU: IPC3-I3_12-16_16-M512-12_5-X-
DOS-0



Thinvent® IPC3: Unyielding Power for Unforgiving Environments.

Experience unparalleled reliability with the Thinvent® Industrial PC IPC3, a robust computing solution 100% designed in India for the most demanding industrial and IoT applications. Engineered for 24x7 operation in harsh environments, this fanless powerhouse delivers consistent performance where it matters most, ensuring your critical operations run smoothly.

Performance That Drives Industry

- Powered by an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and featuring a 10 MB cache, the IPC3 provides exceptional processing capability for complex tasks.
- 8GB DDR4 RAM ensures seamless multitasking, while the 128GB SSD offers lightning-fast boot times, rapid data access, and enhanced durability with no moving parts.

Built for the Toughest Conditions

- Its compact 200mm x 184mm x 52mm dimensions, coupled with a durable, anodised silver aluminium housing, ensure superior heat dissipation and protection against industrial wear and tear.

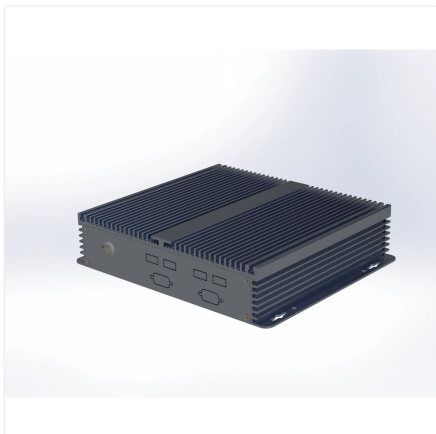
- Operating flawlessly from 0°C to 50°C and handling 20-80% non-condensing humidity, the IPC3 is a true workhorse.
- The fanless design guarantees silent operation and significantly reduces maintenance, critical for sensitive industrial settings.

Seamless Integration

- Extensive connectivity includes 1 HDMI, 1 VGA, multiple USB 3.2 and 2.0 ports (including 4 front-facing for easy access), and gigabit Ethernet, allowing versatile integration with existing systems and peripherals.
- Shipped with FreeDOS, it provides a lean, secure foundation, ready for your specific industrial software or operating system.

Certified for Excellence

- RoHS and ISO certifications underscore its commitment to quality, environmental standards, and reliable performance.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	512 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
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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	FreeDOS
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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**m256** = 256GB**m1024** = 1TB

Wireless

m = Dual Band WiFi**X** = No WiFi

OS

DOS = DOS**11V** = Windows 11 IoT Value**Thinix** = Thinix™ Embedded Linux**W_OS** = Without OS**11P** = Windows 11 Pro**U** = Ubuntu Linux

Accessories

0 = None**4S** = Quad DB9 Serialwww.thinvent.insales@thinvent.in

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