



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_7-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.

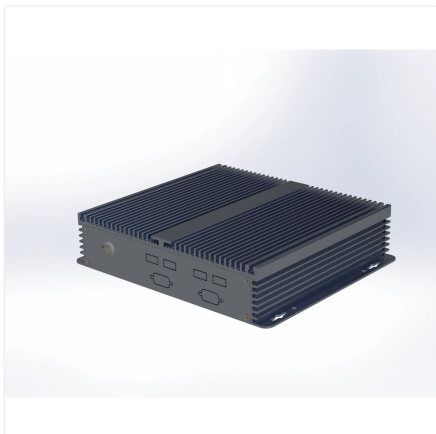
- Operating flawlessly from 0°C to 50°C and handling 20-80% non-condensing humidity, the IPC3 is a true workhorse.
- The fanless design guarantees silent operation and significantly reduces maintenance, critical for sensitive industrial settings.

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	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	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		m256 = 256GB	
	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	

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

 +91-99903-44251

R&D and Manufacturing

#11 Sports Complex

Salvador Do Mundo

North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall

Sector 49, Sohna Road

Gurgaon - 122018, India

