



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

Windows 11 Pro

SKU: IPC3-I3_12-16_16-M512-12_5-X-11P-0



Thinvent® IPC3: Relentless Performance, Unbreakable Reliability.

Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC3. Engineered for the most demanding environments, this rugged, fanless powerhouse ensures 24x7 operation, delivering unwavering performance where it matters most. Proudly 100% designed in India, the IPC3 is your trusted partner for critical industrial and IoT applications.

Unleash Performance

- Driven by an Intel® Core™ i3-1215U processor with 6 cores and a blistering 4.4 GHz max frequency, backed by 10 MB cache.
- Multitask effortlessly with 16GB DDR4 RAM.
- Store vital data and boot applications instantly on the lightning-fast 256GB SSD.

Built for the Edge

- Its fanless design, housed in a durable, anodised silver aluminium casing, operates flawlessly from 0°C to 50°C and 20% ~ 80% non-condensing humidity.
- RoHS and ISO certifications underscore its commitment to quality and environmental standards.

- Compact dimensions of 200mm × 184mm × 52mm allow for flexible deployment.

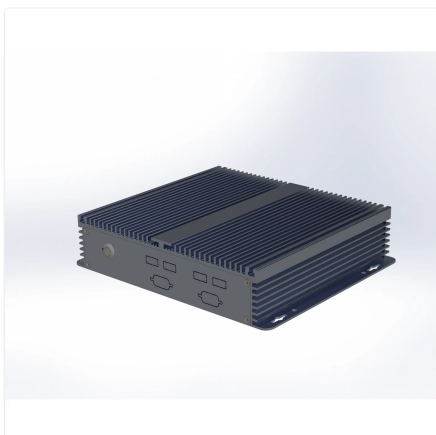
Robust Connectivity

- Essential display outputs include 1 HDMI and 1 VGA port.
- Connect peripherals with 2 USB 3.2, 2 USB 2.0, and 4 front USB 2.0 ports.
- A dedicated 1000 Mbps Ethernet port guarantees secure, high-speed wired network connectivity, ensuring stability in mission-critical operations without WiFi interruptions.
- Features separate Speaker Out and Mic In ports for audio needs.

Reliable Power and OS

- Wide-ranging power input (100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum) via a 12V 7A adapter with a 2 Metre cable for global adaptability.
- Pre-installed with Microsoft Windows 11 Pro, ready for your professional applications.

Elevate your operational efficiency with a PC built to withstand, perform, and endure.



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	Microsoft Windows 11 Pro
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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

