



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC3-I3_12-8_8-M512-12_5-X-W_OS-4S



Thinvent® Industrial PC IPC3: Unyielding Performance, Engineered for Extremes.

Overview

Experience uncompromising reliability with the Thinvent® Industrial PC IPC3, a fanless powerhouse meticulously designed for 24x7 operation in the most demanding industrial and IoT environments. 100% designed in India, its rugged construction and anodised silver aluminium housing ensure exceptional durability and silent, dust-free performance in harsh conditions.

Core Performance

Powering your critical applications is an Intel® Core™ i3-1215U processor

- Features 6 efficient cores with speeds up to 4.4 GHz
- Substantial 10 MB cache for responsive, high-performance computing

Paired with 4GB DDR4 RAM and a lightning-fast 1TB SSD, the IPC3 handles intensive data processing and storage with ease, ensuring swift access and smooth multitasking.

Robust Connectivity

Seamless integration is key. The IPC3 boasts extensive connectivity options vital for industrial automation

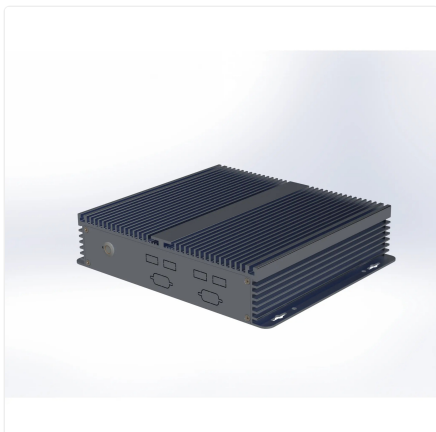
- Six DB9 male RS232 serial ports for broad legacy device compatibility
- Eight versatile USB ports (two USB 3.2, six USB 2.0)
- Dual display outputs via HDMI and VGA
- Robust 1000 Mbps Ethernet port for reliable network communication
- Speaker out and mic in for audio needs

Industrial Design and Durability

Built for resilience, this compact IPC (200mm × 184mm × 52mm) is engineered to thrive

- Wide operating temperature range: 0°C to 50°C
- Operating humidity: 20% to 80% RH, non-condensing
- Housing material: Aluminium with an anodised silver finish
- Certifications: RoHS, ISO for quality and environmental compliance

It comes without an operating system, offering you complete freedom to deploy your preferred industrial OS or specialized software, backed by a robust 12V 7A adapter with versatile AC power input.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	16 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
Rear Serial Port	4 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	Without OS
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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

