



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)

1TB SSD

Dual Band WiFi

DOS

Quad DB9 Serial



SKU: IPC3-I3_12-8_8-M1024-12_7-M-DOS-4S

Unleash Unrivalled Performance in Any Environment.

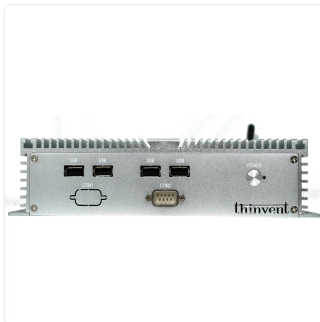
Experience the pinnacle of industrial computing with the Thinvent® Industrial PC IPC3. 100% designed in India, this rugged, fanless powerhouse is engineered for relentless 24x7 operation in the harshest industrial and IoT environments. Its durable, anodised silver aluminium housing ensures silent, dust-free performance, making it the ultimate solution for critical applications requiring exceptional endurance.

Under the hood, the IPC3 boasts an Intel® Core™ i3-1215U processor with 6 cores and speeds up to 4.4 GHz, backed by a 10 MB cache. Paired with 4GB DDR4 RAM and a swift 256GB SSD, it delivers exceptional responsiveness and reliable processing power for demanding tasks. Designed to thrive, it operates flawlessly from 0°C to 50°C and maintains stability in high humidity.

Connectivity

- Extensive Serial Ports: 6 DB9 male RS232 for legacy and industrial devices.
- High-Speed USB: 2x USB 3.2, 2x USB 2.0 (rear), plus 4x Front USB 2.0 for versatile peripheral support.
- Flexible Display Outputs: 1x HDMI, 1x VGA.
- Robust Networking: 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac).

Compact yet feature-rich, the IPC3 measures just 200mm × 184mm × 52mm, ensuring easy integration. With FreeDOS pre-installed and certified RoHS and ISO, it offers both flexibility and peace of mind. Powering your operations with precision and unparalleled endurance.



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	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
Rear Serial Port	4 DB9 male RS232
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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		

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