



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Windows 11 Pro

Quad DB9 Serial



SKU: IPC3-I3_12-16-M256-12_5-M-11P-4S

Power Your Toughest Operations: Rugged, Fanless, and Relentlessly Reliable.

Introducing the Thinvent® Industrial PC IPC3: your ultimate solution for mission-critical industrial and IoT applications. Engineered for unwavering 24x7 performance in the most demanding environments, this 100% designed in India powerhouse redefines durability and efficiency. Its robust fanless design ensures silent operation, eliminates dust ingress, and thrives in temperatures from 0°C to 50°C.

Unrivalled Performance

- At its core, the Intel® Core™ i3-1215U processor delivers exceptional computing power with 6 cores and burst speeds up to 4.4 GHz, backed by a generous 10 MB cache.
- Multitask effortlessly with a massive 64GB DDR4 RAM.
- Experience lightning-fast boot-ups and data access from the 256GB SSD.

Industrial-Grade Connectivity

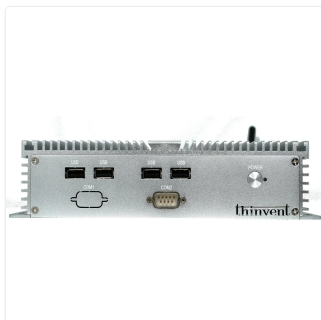
- Connect legacy and modern systems seamlessly with an outstanding 6 DB9 male RS232 serial ports.
- Stay connected with dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet.
- Versatile I/O includes 2x USB 3.2, 6x USB 2.0 (4 front), HDMI, VGA, Speaker Out, and Mic In.

Built for Extremes

- Housed in a compact (200mm × 184mm × 52mm), anodised silver aluminium chassis, the IPC3 is built to resist corrosion and impact.
- Powered by a stable 12V 7A adapter with a wide AC input range.
- Certified with RoHS and ISO for peace of mind.

Ready for Business

- Pre-installed with Windows 11 Pro, providing a secure and familiar operating environment for your industrial software.



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	256 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	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	

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