



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

16GB DDR4 RAM (2 x 8GB)

256GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC3-I3_12L-8_8-M256-12_7-X-DOS-4S



Engineered for Endurance, Designed for Demanding Days.

Unshakable Reliability Where It Matters Most

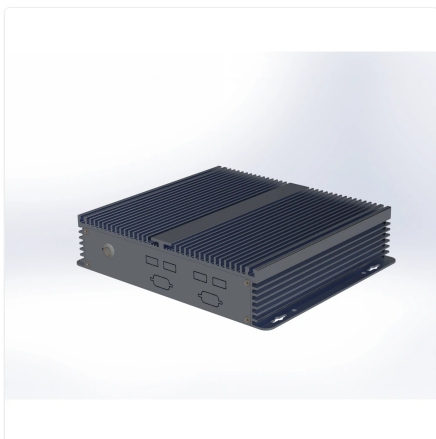
Forget about delicate electronics. The Thinvent® IPC3 is built from the ground up to thrive in the toughest industrial settings. Its fanless, solid-state aluminium chassis shrugs off dust, vibration, and extreme temperatures, delivering flawless 24/7 operation without the risk of mechanical failure. This is computing power that doesn't just survive the shop floor—it conquers it.

The Robust Heart of Your Industrial Operations

This is the dependable core for your most critical applications. Seamlessly integrate it into automation lines, machine control systems, or rugged IoT networks. Its wealth of legacy and modern connectivity options allows you to interface with a universe of industrial equipment, from PLCs to sensors, ensuring seamless data flow and total control. Deploy it and forget it, knowing your processes are in capable hands.

Why Choose the IPC3

- Rugged, fanless design eliminates moving parts for maximum durability in harsh, dusty environments.
- Built for 24/7 continuous operation, ensuring your production never skips a beat.
- Provides stable, reliable computing power for industrial automation, IoT gateways, and digital signage.
- Features essential connectivity for a wide range of industrial peripherals and legacy systems.
- A testament to robust innovation, proudly 100% designed in India for global reliability standards.



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
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
Ethernet Ports	2

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_12l-[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	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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