



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

DOS

Quad DB9 Serial

SKU: IPC3-I3_13-8_8-M512-12_7-X-DOS-4S



Built Tough, Designed Smart: Your 24/7 Industrial Powerhouse.

Introducing the Thinvent® Industrial PC IPC3, a robust and fanless computing solution engineered for the most demanding environments. 100% designed and made in India, this IPC is your reliable partner for industrial automation, IoT deployments, and mission-critical applications requiring continuous 24x7 operation.

Unmatched Performance and Reliability

- Power through complex tasks with the Intel® Core™ i3-1315U processor, featuring 6 cores and a blazing 4.5 GHz max frequency with 10 MB cache.
- Experience seamless multitasking and data processing with a massive 64GB DDR4 RAM.
- Benefit from lightning-fast boot-ups and application loading with the durable 512GB SSD, ensuring peak performance without moving parts.

Optimized for Industrial Connectivity

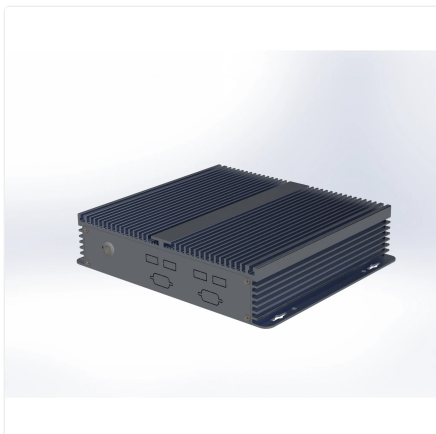
- Connect effortlessly to legacy and modern equipment with an impressive six DB9 male RS232 serial ports.

- Integrate displays via HDMI and VGA, and utilize a versatile array of USB 3.2 and USB 2.0 ports for peripherals.
- Secure network access is provided by a reliable 1000 Mbps Ethernet connection, perfectly suited for controlled industrial settings.

Rugged Design for Harsh Conditions

- Operate confidently in extreme temperatures from 0°C to 50°C and humidity up to 80% RH.
- The sleek, silver anodised aluminium housing offers superior protection, heat dissipation, and a compact 200mm × 184mm × 52mm footprint.
- Built for longevity, its fanless design eliminates dust ingress and moving parts failures, ensuring a silent, maintenance-free operation.

The Thinvent® IPC3 comes with FreeDOS, allowing you full control to deploy your preferred industrial operating system. Choose the IPC3 for uncompromising reliability and performance where it matters most.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 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

NETWORKING

Ethernet	1000 Mbps
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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	2.48kg, 2.90kg

OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

IPC3-i3_13-[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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