



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Without OS

Quad DB9 Serial

SKU: IPC3-I3_13-16_16-M1024-12_5-X-W_OS-4S



Thinvent® Industrial PC IPC3: Powering Your Progress, Engineered for Extremes.

The Thinvent® Industrial PC IPC3 is a robust, fanless powerhouse meticulously engineered for the most demanding industrial and IoT environments. Experience unwavering performance with 24x7 operational reliability, even in harsh conditions. Proudly 100% designed in India, this durable solution sets a new standard for industrial computing.

Performance

At its core, the IPC3 boasts an Intel® Core™ i3-1315U processor with 6 cores and turbo speeds up to 4.5 GHz, backed by a generous 10 MB cache. This ensures rapid data processing and seamless multitasking for critical applications. Paired with 16GB DDR4 RAM and a lightning-fast 256GB SSD, expect instant responsiveness and efficient operation across your demanding workloads.

Connectivity and Versatility

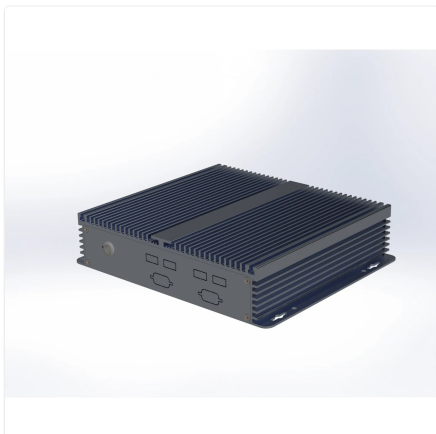
This industrial workhorse is built for extensive integration, offering comprehensive I/O

- Six DB9 male RS232 serial ports for unparalleled peripheral and legacy device connectivity

- Two USB 3.2 and two USB 2.0 ports, plus four convenient front USB 2.0 ports for accessibility
- HDMI and VGA outputs for versatile dual-display flexibility
- Gigabyte Ethernet (1000 Mbps) for robust and reliable network communication
- Speaker Out and Mic In for comprehensive audio capabilities

Designed for Durability

The IPC3 features a rugged, fanless anodised aluminium housing in a sleek silver finish, providing superior dust and debris resistance while ensuring silent operation. It's built to withstand challenging industrial conditions, operating flawlessly from 0°C to 50°C and 20% to 80% non-condensing humidity. Its compact 200mm × 184mm × 52mm form factor integrates seamlessly into any setup. Shipped without an OS and WiFi, offering you complete control over your software and networking solutions. RoHS and ISO certified for quality you can trust.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	32 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

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	2.38kg, 2.80kg

OPERATING SYSTEM

Operating System	Without OS
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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	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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