Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

256GB SSD

Dual Band WiFi

DOS

Quad DB9 Serial

SKU: IPC3-I3_13-32-M256-12_5-M-DOS-4S

Thinvent® IPC3: India's Industrial Powerhouse, Built to Endure.

Introducing the Thinvent® Industrial PC IPC3, an uncompromising fanless solution engineered for the most demanding environments. 100% designed in India, this rugged and durable industrial PC delivers 24x7 reliability for critical industrial and IoT applications. Its sleek, anodised silver aluminium housing ensures exceptional resilience against dust, vibration, and temperature extremes.

Unmatched Performance

Experience blazing-fast performance with the Intel® Core™ i3-1315U processor, featuring 6 cores, clocking up to 4.5 GHz, and a 10 MB cache. Paired with 16GB DDR4 RAM and a rapid 128GB SSD, the IPC3 handles complex tasks and data processing with seamless efficiency, ensuring your operations never miss a beat.

Superior Connectivity

The IPC3 is a connectivity workhorse, offering extensive I/O for diverse industrial needs.

- Six DB9 male RS232 serial ports for legacy systems and specialized peripherals
- Dual-Band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for robust networking
- Multiple USB ports: 2x USB 3.2, 2x USB 2.0, and 4x front USB 2.0 for flexible device integration
- HDMI and VGA outputs for versatile display options
- Speaker Out and Mic In for comprehensive audio support

Engineered for Extremes

Designed for continuous operation from 0°C to 50°C and 20% to 80% non-condensing humidity, this compact (200mm × 184mm × 52mm) industrial PC is RoHS and ISO certified. Powered by a 12V 7A adapter with a wide 100~275V AC input and FreeDOS, the Thinvent® IPC3 is your reliable foundation for any industrial challenge.

Thinvent Industrial PC IPC3

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	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

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	2.38kg, 2.80kg

OPERATING SYSTEM

Operating System	FreeDOS

Thinvent Industrial PC IPC3

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
	64 = 64GB DDR4			
SSD	**m128** = 128GB		**m256** = 256GB	
	m32 = 32GB		**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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