

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

2TB SSD

Dual Band WiFi

DOS



SKU: IPC3-I3_12-16_16-M2048-12_7-M-DOS-0

Thinvent® Industrial PC IPC3: Unyielding Power, Engineered for the Edge.

Introducing the Thinvent® Industrial PC IPC3, a rugged, fanless computing powerhouse designed for relentless 24x7 operation in the most demanding industrial and IoT environments. Proudly 100% designed in India, this IPC delivers exceptional performance and unmatched reliability where it matters most.

Core Performance

- Experience blazing-fast processing with the Intel® Core™ i3-1215U processor, featuring 6 cores, a turbo frequency of up to 4.4 GHz, and a 10 MB cache for efficient handling of complex tasks.
- Multitask seamlessly with 16GB DDR4 RAM, ensuring smooth operation even with resource-intensive applications.
- Benefit from lightning-fast boot times and rapid data access thanks to the spacious 256GB SSD.

Robust Connectivity

- Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless networking.
- Connect to high-speed networks via 1000 Mbps Ethernet.
- Versatile display options with 1 HDMI and 1 VGA port.

- Expand your peripherals with 2 USB 3.2 ports, 2 USB 2.0 ports, and an additional 4 front-facing USB 2.0 ports.
- Integrate audio solutions with dedicated Speaker Out and Mic In jacks.

Unrivalled Durability and Design

- Built for extremes, its fanless design eliminates moving parts, reducing maintenance and ensuring silent operation from 0°C to 50°C and 20% to 80% RH (non-condensing).
- The compact 200mm × 184mm × 52mm anodised silver aluminium housing provides superior heat dissipation and robust protection, earning RoHS and ISO certifications.
- Powered by a secure 12V 7A adapter with a wide 100~275V AC input range, the IPC3 is ready for diverse power environments.

Flexible Software

- Comes pre-installed with FreeDOS, offering you the freedom to install your preferred operating system.

The Thinvent® Industrial PC IPC3 is your reliable, high-performance solution for critical industrial applications.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 GB
SSD Storage	2048 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
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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_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	
	m2048 = 2TB			
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	110 = Windows 11 Professional		Thinux = Thinux™ Embedded Linux	
	U = Ubuntu Linux			
Accessories	0 = None		4S = Quad DB9 Serial	

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