

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

512GB SSD

Dual Band WiFi

Ubuntu Linux

Quad DB9 Serial



SKU: IPC3-I3_12-8_8-M512-12_7-M-U-4S

Unleash Industrial Strength: Performance, Durability, Connectivity.

Introducing the Thinvent® Industrial PC IPC3, meticulously 100% designed in India for the most demanding environments. This rugged, fanless solution ensures reliable 24x7 operation, making it ideal for critical industrial and IoT applications where resilience is paramount.

Unrivalled Performance

Powered by an Intel® Core™ i3-1215U processor, featuring 6 cores, a blazing 4.4 GHz max frequency, and a 10 MB cache, the IPC3 delivers exceptional speed and multitasking capability. Paired with 4GB DDR4 RAM and a rapid 256GB SSD, your applications run smoothly and data is accessed instantly.

Robust Connectivity

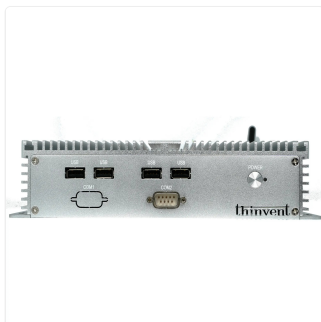
Stay connected with a comprehensive suite of ports designed for industrial integration and modern peripherals.

- Six DB9 male RS232 serial ports for legacy equipment
- Dual-band Wi-Fi 5 (802.11ac) and 1000 Mbps Ethernet for versatile networking

- Eight USB ports: two USB 3.2 and six USB 2.0 (four conveniently located on the front)
- Dual display outputs: one HDMI and one VGA
- Speaker Out and Mic In for audio needs

Built for Extremes

Engineered for harsh conditions, its fanless design eliminates moving parts, reducing maintenance and ensuring silent operation. The durable aluminium housing with an anodised silver finish protects internal components, while accommodating a wide 0°C to 50°C operating temperature and 20% ~ 80% RH non-condensing humidity. Powered by a flexible 100~275V AC input, the IPC3 is certified with RoHS and ISO standards. Pre-installed with Ubuntu Linux 24.04 LTS, it offers a stable and secure open-source platform. Compact at 200mm × 184mm × 52mm, it integrates seamlessly into any setup.



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	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
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	Ubuntu Linux 24.04 LTS
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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	
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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