

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

Without OS



SKU: IPC3-I3_12-16-M128-12_5-M-W_OS-0

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

Experience uncompromising reliability and performance with the Thinvent® Industrial PC IPC3, 100% designed in India for the most demanding environments. This rugged, fanless computing solution is engineered for 24x7 operation, making it ideal for critical industrial automation, IoT, and edge computing applications where consistency is paramount.

Unleash robust processing capability with the Intel® Core™ i3-1215U processor

- 6 cores and a maximum frequency of 4.4 GHz deliver powerful multitasking and data processing.
- A 10 MB cache ensures rapid access to frequently used data, boosting efficiency.
- Paired with 8GB DDR4 RAM and a swift 256GB SSD, enjoy seamless operation and quick boot times for your specialized applications.

Designed for resilience

- The fanless aluminum housing, finished with a sleek anodised silver, protects against dust, debris, and corrosion, ensuring maintenance-free performance in harsh conditions.
- Operate reliably in temperatures from 0°C to 50°C and humidity from 20% to 80% RH (non-condensing).

- Its compact 200mm × 184mm × 52mm footprint allows for flexible installation in space-constrained settings.

Comprehensive connectivity and power

- Dual display support with 1 HDMI and 1 VGA port.
- Ample peripheral connections: 2x USB 3.2, 2x USB 2.0, plus 4 additional front USB 2.0 ports.
- Robust networking options with 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) for reliable wireless communication.
- Powered by a durable 12V 7A adapter with a wide input range (100~275V AC) and a long 2-metre cable, providing installation flexibility.
- Audio needs are met with Speaker Out and Mic In ports.

Ready for your custom solution

- This unit comes without an operating system, offering you the freedom to install your preferred OS, perfectly tailored to your specific industrial or IoT requirements.
- Backed by RoHS and ISO certifications, guaranteeing quality and environmental compliance.



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	128 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	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	2.45kg, 2.87kg

OPERATING SYSTEM

Operating System	Without OS
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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 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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