Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

4GB DDR4 RAM

128GB SSD

Dual Band WiFi

Without OS

Quad DB9 Serial

SKU: IPC3-I3_12L-4-M128-12_5-M-W_OS-4S

Reliable Intelligence for the Toughest Environments.

Built for the relentless demands of modern industry, the Thinvent IPC3 is your steadfast digital partner. Engineered for 24/7 operation in challenging conditions, this rugged computer thrives where others falter.

Uncompromising Durability and Performance

Its robust, fanless aluminium chassis ensures silent, maintenance-free operation, eliminating dust intrusion and mechanical failure. Designed to withstand vibration, wide temperature swings, and industrial atmospheres, it delivers unwavering reliability for your critical operations.

Versatile Connectivity for Seamless Integration

- Equipped with dual Gigabit LAN and four legacy serial ports for direct communication with machinery, PLCs, and specialised equipment.
- Offers extensive USB connectivity and dual-band Wi-Fi for flexible network placement and peripheral support.
- The versatile display outputs allow for clear visualisation on a wide range of monitors.

Your Foundation for Smart Solutions

Providing robust processing power in a compact form, it is the perfect cornerstone for industrial automation, IoT gateways, digital signage, and machine control applications. Supplied without an operating system, it offers complete flexibility for you to install your preferred platform.

100% designed and built in India for resilience, the Thinvent IPC3 is the dependable core for your next industrial innovation.

Thinvent Industrial PC IPC3

Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	4 GB
SSD Storage	128 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	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
Ethernet Ports	2
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

Thinvent Industrial PC IPC3

Ordering Information

PRODUCT CODE

`IPC3-i3_12l-[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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