



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

Quad DB9 Serial



SKU: IPC3-I3_12L-16-M128-12_5-M-11V-4S

Engineered for the relentless rhythm of industry.

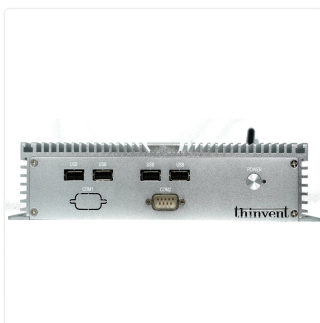
Built to thrive where others falter, the Thinvent IPC3 is your steadfast digital core for the most demanding environments. Its silent, fanless design shrugs off dust and vibration, delivering unwavering reliability for 24/7 operation without a whisper of disruption.

Why this is your essential industrial partner

- ****Unshakeable reliability in harsh conditions:**** Crafted with a rugged aluminium chassis and passive cooling, it operates flawlessly from the factory floor to the outdoor edge, immune to particulate contamination.
- ****Seamless connectivity for legacy and modern systems:**** With dual Gigabit LAN and four legacy serial ports, it effortlessly bridges the gap between new equipment and crucial existing machinery.

- ****Always-on performance for critical tasks:**** Robust processing power handles multiple data streams and control functions simultaneously, ensuring smooth, continuous operation for automation, monitoring, and IoT gateways.
- ****Proudly conceived and designed in India:**** Built with a deep understanding of local industrial challenges, offering a robust solution tailored for demanding applications.

Deploy the IPC3 with total confidence. It's the durable, connected, and intelligent foundation for your next industrial innovation.



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
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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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**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 Serialwww.thinvent.insales@thinvent.in

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