



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Windows 11 IoT Value

Quad DB9 Serial

SKU: IPC3-I3_12L-8_8-M512-12_5-X-11V-4S



Built for the relentless rhythm of industry.

Introducing the Thinvent® IPC3 Industrial PC: your dependable digital workhorse, engineered to thrive where others falter. This robust, fanless system delivers unwavering performance in demanding environments, from factory floors to remote IoT installations.

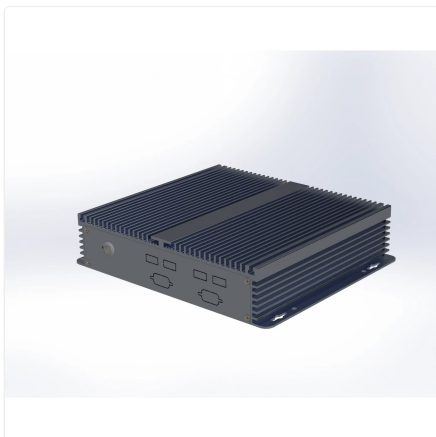
Uncompromising reliability for 24/7 operations

- Experience silent, maintenance-free operation with advanced passive cooling, eliminating dust-prone fans for superior durability.
- Trust in robust, all-metal construction with an anodised finish, designed to withstand vibration, shock, and challenging conditions.
- Deploy with confidence in a wide range of temperatures, ensuring continuous uptime for your critical processes.

Seamless connectivity for industrial integration

- Effortlessly interface with legacy machinery and modern systems using multiple industrial serial ports.
- Ensure stable, high-speed network communication with dual Gigabit Ethernet for robust data handling.
- Benefit from ample front-facing USB access for convenient peripheral connection without disrupting your setup.

Powered by genuine Windows 11 IoT, this 100% India-designed solution provides a secure, familiar platform for your specialised applications. It's the resilient computing core you need to automate, monitor, and control with absolute certainty.



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
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

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 Serial		

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