



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)

1TB SSD

No WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC3-I3_12L-8_8-M1024-12_5-X-THINUX-4S



Built for the relentless rhythm of industry: The Thinvent IPC3.

Engineered for Endurance

Born for the demanding environments where others falter. This fanless, rugged industrial PC thrives in the heat, dust, and constant vibration of the factory floor, delivering unwavering 24/7 operation without the point of failure that moving parts represent. Its robust aluminium chassis, with a sleek anodised finish, is 100% designed and built in India to withstand the challenges of modern industry and IoT deployments.

Power Where It Counts

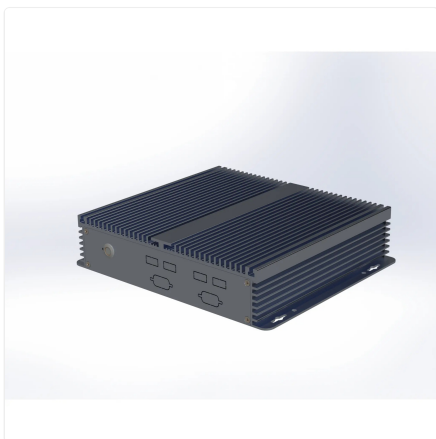
Harness efficient, modern processing power to drive your critical applications smoothly. From machine control and process monitoring to digital signage and interactive kiosks, the IPC3 handles it with consistent, reliable performance. Its fanless thermal design ensures silent running and prevents dust ingress, making it the perfect, maintenance-averse brain for your automated systems.

Seamless Industrial Connectivity

Integrate effortlessly with legacy machinery and modern networks. With multiple serial ports and dual Gigabit LAN, this unit is a true bridge between old and new industrial ecosystems, allowing you to gather data and control equipment without compromise. Manage everything with ease through its powerful, integrated remote management tools.

Your Trusted Embedded Foundation

Pre-loaded with our optimised Thinux™ embedded Linux OS, it provides a stable, secure, and versatile platform right out of the box. Run custom Python applications, manage content remotely via a web browser, or display vital information—all on a system designed for long-term deployment without headaches.



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	1024 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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

IPC3-i3_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB	m256 = 256GB m1024 = 1TB		
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux		W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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