



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: IPC3-I3_12L-16_16-M512-12_5-M-THINUX-0



Built for the relentless rhythm of industry: the rugged Thinvent® IPC3.

Uncompromising reliability for demanding environments

This fanless industrial PC is engineered to thrive where others fail. Its robust, all-aluminium chassis and passive cooling system ensure silent, dust-resistant 24/7 operation, from the factory floor to the remote IoT edge. No moving parts means nothing to break down.

Seamless connectivity drives modern operations

Stay effortlessly connected with dual LAN ports and dual-band WiFi, enabling robust communication between machinery, sensors, and your control centre. It's the steadfast hub for your networked ecosystem, built to handle the data flow of modern automation.

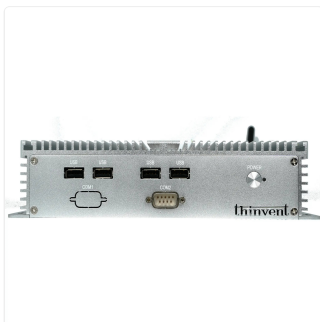
Simplified management, maximum uptime

Pre-loaded with Thinux™ Embedded Linux, it offers a stable, secure platform for your critical applications. With browser-based remote management and support for essential industrial protocols, you can monitor, update, and troubleshoot from anywhere, minimising downtime and maximising productivity.

A powerhouse for intelligent applications

Harness efficient performance to run complex monitoring systems, digital signage, machine vision, and process control. Its capable processing handles everything from data acquisition to local analytics, giving you real-time insight and control.

Proudly conceived and crafted in India, the IPC3 is the durable, intelligent core for your most vital industrial and IoT solutions. It's not just a computer; it's a dependable partner built for the long haul.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 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
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	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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