



Thinvent Industrial PC IPC3

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

1TB SSD

No WiFi

Thinux Embedded Linux

Quad DB9 Serial

SKU: IPC3-I3_12-16_16-M1024-12_7-X-
THINUX-4S



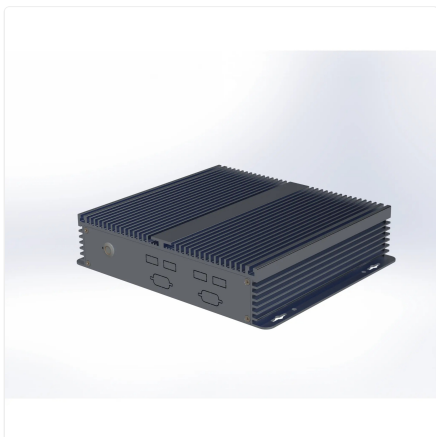
Unleash Unrivalled Industrial Power, Engineered for Endurance.

Introducing the Thinvent® Industrial PC IPC3: a rugged, fanless workhorse 100% designed in India, built for 24x7 operation in the harshest environments. Its anodised silver aluminium housing ensures exceptional durability and heat dissipation, keeping your operations running smoothly from 0°C to 50°C.

At its core, an Intel® Core™ i3-1215U processor (6 cores, up to 4.4 GHz, 10 MB cache) delivers blazing-fast performance for demanding industrial and IoT applications. With immense 64GB DDR4 RAM and a lightning-quick 1TB SSD, the IPC3 handles complex data processing and storage with effortless efficiency.

Connectivity is paramount with the IPC3. It boasts six DB9 male RS232 serial ports, Gigabit Ethernet, versatile video output (HDMI, VGA), two USB 3.2 ports, and six USB 2.0 ports (four front-facing), ensuring seamless integration with legacy and modern peripherals. Powering this robust system is Thinvent® Thinux™ Embedded Linux, a secure and versatile OS optimized for industrial control. It comes pre-loaded with essential tools: Chromium and Mozilla Firefox browsers, RDP 10 for remote display, browser-based remote management, VNC shadowing, and supports Java, Python, LibreOffice, multimedia, and SIP video/voice over IP, providing a comprehensive software suite.

Compact at just 200mm × 184mm × 52mm, the IPC3 is easy to deploy. It features a reliable 12V 7A DC input, supported by a universal 100~275V AC power adapter. Trust in its quality, backed by RoHS and ISO certifications. The IPC3 is your dependable partner for critical industrial automation.



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	1024 GB

DISPLAY

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	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
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POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	2.55kg, 2.97kg

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_12-[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	
	Thinux = Thinux™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		4S = Quad DB9 Serial	

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