



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)

2TB SSD

No WiFi

Thinux Embedded Linux

SKU: IPC3-I3_12-16_16-M2048-12_7-X-THINUX-0



Unleash industrial power with the Thinvent® IPC3: Your silent, rugged workhorse for demanding environments.

Performance Redefined

Experience uncompromised reliability with the Thinvent® Industrial PC IPC3. Engineered for 24x7 operation, this fanless powerhouse features an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and 10 MB cache, delivering exceptional speed for critical industrial and IoT applications. A rapid 512GB SSD and 4GB DDR4 RAM ensure quick boot times and fluid multitasking.

Thinvent Thinux™ Advantage

Running on Thinvent® Thinux™ Embedded Linux, a secure and stable operating system 100% designed in India, the IPC3 offers unparalleled versatility

- Chromium and Mozilla Firefox browsers for web-based operations.
- Advanced remote management with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing for seamless control.
- Browser-based remote management.
- Robust application support for Java, Python, and glibc.

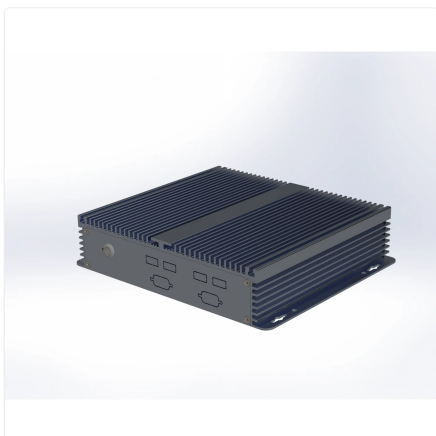
- Productivity tools including LibreOffice and a PDF viewer.
- Multimedia player with MPEG4 support and SIP video/voice over IP.

Robust Connectivity

Integrate effortlessly with a comprehensive array of ports, including dual display support (1 HDMI, 1 VGA), audio input/output, two USB 3.2 and two USB 2.0 ports, plus four convenient front USB 2.0 ports. A gigabit Ethernet port ensures high-speed, stable network communication for your critical data.

Industrial Grade Durability

Built for harsh environments, its compact 200x184x52mm anodised silver aluminium housing is tough, fanless, and resistant to wear. Operating reliably from 0°C to 50°C and 20-80% non-condensing humidity, the IPC3 is RoHS and ISO certified, guaranteeing quality and compliance. Power input from 100~275V AC via a 12V 7A adapter ensures stable operation across diverse power grids.



Thinvent Industrial PC IPC3



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	2048 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
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

m512 = 512GB

m2048 = 2TB

m256 = 256GB

m1024 = 1TB

Wireless

m = Dual Band WiFi

X = No WiFi

OS

DOS = DOS

11V = Windows 11 IoT Value

110 = Windows 11 Professional

U = Ubuntu Linux

W_OS = Without OS

11P = Windows 11 Pro

Thinix = Thinix™ Embedded Linux

Accessories

0 = None

4S = Quad DB9 Serial

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