

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

2TB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: IPC3-I3_12-32-M2048-12_7-M-THINUX-0



Unleash Unrivalled Performance in Any Environment.

The Thinvent® Industrial PC IPC3 is engineered for the most demanding industrial and IoT applications, delivering unwavering 24x7 reliability. This rugged, fanless system is 100% designed in India, built to thrive in harsh environments.

Uncompromising Power

- Experience blazing speed with the Intel® Core™ i3-1215U processor, featuring 6 cores and turbo speeds up to 4.4 GHz.
- Multitask effortlessly with a massive 64GB DDR4 RAM.
- Enjoy rapid boot-ups and data access from the 128GB SSD.

Built for the Edge

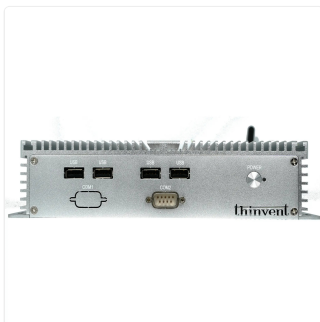
- Its anodised silver aluminium housing provides exceptional durability and a compact 200mm × 184mm × 52mm footprint.
- Operates reliably from 0°C to 50°C, fanless for silent, dust-free performance.

- Extensive connectivity includes 8 USB ports (2x USB 3.2, 6x USB 2.0), dual display (HDMI, VGA), Gigabit Ethernet, and dual-band Wi-Fi 5.

Thinvent® Thinux™ OS Advantage

- Leverage the robust Thinux™ Embedded Linux for secure and stable operation.
- Remote management: Browser-based tools, RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Comprehensive application support: Java, Python, glibc, LibreOffice, PDF viewer, multimedia player (MPEG4), SIP video/voice.
- Integrated browsers: Chromium and Mozilla Firefox.

Invest in the IPC3 for a powerful, durable, and versatile solution, certified with RoHS and ISO standards, ready to elevate your industrial operations.



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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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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