



Thinvent Industrial PC IPC3

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

8GB DDR4 RAM

256GB SSD

No WiFi

Thinux Embedded Linux

SKU: IPC3-I3_13-8-M256-12_5-X-THINUX-0



Unleash Unyielding Performance: The Thinvent® IPC3 Industrial PC.

Experience unparalleled reliability with the Thinvent® Industrial PC IPC3, a rugged, fanless powerhouse engineered for continuous 24x7 operation in the most demanding industrial and IoT environments. Proudly 100% designed in India, its anodised silver aluminium housing ensures exceptional durability, a sleek finish, and a compact footprint of just 200mm x 184mm x 52mm.

Core Performance

Powered by an Intel® Core™ i3-1315U processor featuring 6 cores and blazing speeds up to 4.5 GHz with a 10 MB cache, the IPC3 delivers robust computational power. Coupled with 8GB of DDR4 RAM and a lightning-fast 256GB SSD, it offers seamless multitasking and rapid data access for critical applications.

Connectivity and Durability

Designed for unwavering stability, the IPC3 features a reliable 1000 Mbps wired Ethernet connection, ensuring secure and consistent data flow without WiFi. Its comprehensive I/O includes

- 2x USB 3.2 ports
- 6x USB 2.0 ports (2 rear, 4 front)
- HDMI and VGA outputs for versatile display options
- Speaker Out and Mic In for audio integration

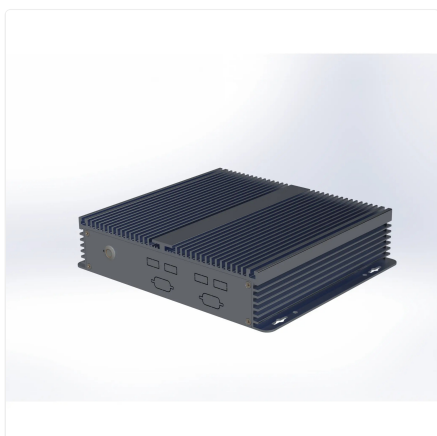
This unit is built to thrive in harsh conditions, operating flawlessly from 0°C to 50°C with 20-80% non-condensing humidity, and supports flexible power input (100~275 Volts AC).

Operating System Excellence

Pre-installed with Thinvent® Thinux™ Embedded Linux, a purpose-built OS optimized for performance and security, the IPC3 offers a rich set of features out-of-the-box

- Browsing: Chromium and Mozilla Firefox web browsers
- Remote Access: RDP 10 (RemoteFX, H.264/AVC), Putty, SSH for secure remote display, and VNC shadowing with browser-based remote management
- Productivity: LibreOffice suite and PDF viewer
- Development: Java, Python, and glibc based application support
- Multimedia: Integrated multimedia player with MPEG4 support
- Communication: SIP video and voice over IP capabilities

With RoHS and ISO certifications, the Thinvent® IPC3 is the robust, high-performance solution you need to drive your critical operations forward.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 13th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1315U |
| Cores | 6 |
| Max Frequency | 4.5 GHz |
| Cache | 10 MB |
| Main Memory | 8 GB |
| SSD Storage | 256 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 |

NETWORKING

| | |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

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 | 2.38kg, 2.80kg |

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_13-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | 4 = 4GB DDR4 8 = 8GB DDR4 16 = 16GB DDR4 32 = 32GB DDR4 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB 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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