



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Thinix Embedded Linux

SKU: AERO-I3_12-16-M512-12_5-X-THINUX-0



Unleash Mighty Performance in a Mini Footprint.

Discover the Thinvent® Aero Mini PC, your powerhouse solution for efficient and reliable computing in a remarkably compact design. Engineered for demanding tasks, this mini PC leverages an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and boasting a 10 MB cache, ensuring seamless multitasking and responsive performance. Paired with 8GB DDR4 RAM and a rapid 32GB MLC SSD, experience lightning-fast boot-ups and application loading, all while benefiting from the SSD's durability.

Powered by Thinvent® Thinix™ Embedded Linux, the Aero Mini PC offers a secure, stable, and purpose-built environment, ideal for focused applications and thin client deployments.

OS Features

- Seamless web browsing with Chromium and Mozilla Firefox.
- Robust remote access capabilities via RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for efficient management.
- Centralized control through browser-based remote management and VNC shadowing.

- Comprehensive application support, including Java, Python, glibc for custom location apps, LibreOffice for productivity, and an integrated PDF viewer.
- Enhanced communication with a multimedia player supporting MPEG4 and SIP video/voice over IP.

Connectivity is extensive, featuring 1 HDMI and 1 VGA for dual display setups, along with dedicated speaker out and mic in ports on both the front and rear. With 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a versatile front USB C port, you have ample options for peripherals. A reliable 1000 Mbps Ethernet connection ensures stable, high-speed wired networking. Crafted with a durable steel and ABS housing, powder-coated in black, its 198mm x 187mm x 40mm dimensions make it incredibly space-efficient. Operating between 0°C and 35°C and compliant with BIS, RoHS, and ISO standards, the Thinvent® Aero Mini PC delivers powerful, secure, and reliable computing tailored for your needs.

Power

- Input: 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum, with a 2 Metre cable.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 16 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 1 |
| VGA | 1 |

AUDIO

| | |
|-------------------|---|
| Speaker Out | 1 |
| Mic In | 1 |
| Front Speaker Out | 1 |
| Front Mic In | 1 |

CONNECTIVITY

| | |
|---------------|---|
| USB 3.2 | 2 |
| USB 2.0 | 2 |
| Front USB 2.0 | 4 |
| Front USB C | 1 |
| RS485 Option | 1 |

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 ~ 35°C |
| Operating Humidity | 20% ~ 80% RH, non condensing |
| Certifications | BIS, RoHS, ISO |

PHYSICAL

| | |
|----------------------|-----------------------|
| Form Factor | Mini PC |
| Dimensions | 198mm × 187mm × 40mm |
| Housing Material | Steel and ABS Plastic |
| Housing Finish | Powder Coated |
| Housing Colour | Black |
| Net and Gross Weight | 1.59kg, 1.59kg |

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 | |
|--|--|
| Aero-i3_12-[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 S32 = 32GB MLC S128 = 128GB S256 = 256GB |
| Wireless | m = Dual Band WiFi X = No WiFi |
| OS | DOS = DOS W_OS = Without OS 11V = Windows 11 IoT Value 11P = Windows 11 Pro Thinix = Thinix™ Embedded Linux U = Ubuntu Linux |
| Accessories | 0 = None KM = Keyboard and Mouse set MK = Mechanical Keyboard Mo = Wired Optical Scroll Mouse |

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