



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

128GB SSD

No WiFi

Thinix Embedded Linux

SKU: AERO-I3\_12-32\_32-M128-12\_7-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 × 187mm × 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.



# Thinvent Aero Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i3      |
| Processor Brand | Intel   |
| Processor Model | 1215U   |
| Cores           | 6       |
| Max Frequency   | 4.4 GHz |
| Cache           | 10 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 128 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   | 7 Amps                                       |
| Power Input  | 100~275 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 | 1.68kg, 1.68kg        |

### OPERATING SYSTEM

|                  |                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating System | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## Ordering Information

## PRODUCT CODE

Aero-i3\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

|             |                                                                                                 |                                                                                    |                                                               |                       |
|-------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4<br><b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)                                  | <b>8</b> = 8GB DDR4<br><b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)                     | <b>16</b> = 16GB DDR4<br><b>8_8</b> = 16GB DDR4 RAM (2 x 8GB) | <b>32</b> = 32GB DDR4 |
| SSD         | <b>m128</b> = 128GB<br><b>m512</b> = 512GB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB      | <b>m256</b> = 256GB<br><b>m1024</b> = 1TB<br><b>S128</b> = 128GB                   |                                                               |                       |
| Wireless    | <b>m</b> = Dual Band WiFi                                                                       | <b>X</b> = No WiFi                                                                 |                                                               |                       |
| OS          | <b>DOS</b> = DOS<br><b>11V</b> = Windows 11 IoT Value<br><b>Thinix</b> = Thinix™ Embedded Linux | <b>W_OS</b> = Without OS<br><b>11P</b> = Windows 11 Pro<br><b>U</b> = Ubuntu Linux |                                                               |                       |
| Accessories | <b>0</b> = None<br><b>MK</b> = Mechanical Keyboard                                              | <b>KM</b> = Keyboard and Mouse set<br><b>Mo</b> = Wired Optical Scroll Mouse       |                                                               |                       |

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