



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## No WiFi

## Ubuntu Linux

SKU: AERO-I3\_12-32-M256-12\_5-X-U-0



Unleash Mighty Performance in a Minimal Footprint.

The Thinvent® Aero Mini PC: Your compact powerhouse for efficiency and reliability.

Experience exceptional computing in a sleek, space-saving design. Powered by an Intel® Core™ i3-1215U processor, this Mini PC features 6 cores with speeds up to 4.4 GHz and a 10 MB cache, ensuring smooth multitasking and rapid application performance for all your demanding tasks.

### Key Advantages

#### Blazing Speed and Capacity

- 32GB DDR4 RAM for handling intensive workloads
- 32GB MLC SSD for lightning-fast boot times and superior durability

#### Robust Connectivity

- Dual display support with HDMI and VGA ports
- Extensive peripheral options with 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, and 1x Front USB C
- Stable, high-speed wired networking via 1000 Mbps Ethernet, ideal for secure and consistent performance where WiFi is not desired

### Ready for Action

- Pre-installed with Ubuntu Linux 24.04 LTS, offering a secure, stable, and user-friendly open-source environment right out of the box

### Built to Last

- Durable steel and ABS plastic housing with a sleek black powder-coated finish
- Compact dimensions (198mm x 187mm x 40mm) for versatile placement
- Certified with BIS, RoHS, and ISO for quality assurance and environmental compliance
- Reliable operation in temperatures from 0°C to 35°C, and humidity 20% to 80% RH

This Mini PC is ideal for professional workstations, industrial control, education, point-of-sale, or any scenario demanding unwavering reliability and powerful performance in a small form factor.



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| 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     | 256 GB  |

### DISPLAY

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

### AUDIO

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

### CONNECTIVITY

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

### NETWORKING

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

### POWER

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|              |  |
|--------------|--|
| 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

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|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0°C ~ 35°C                   |
| Operating Humidity    | 20% ~ 80% RH, non condensing |
| Certifications        | BIS, RoHS, ISO               |

### PHYSICAL

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|                      |                       |
|----------------------|-----------------------|
| 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

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|                  |                        |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

## Ordering Information

| PRODUCT CODE   |  |
|--|--|
| <b>Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b> |  |
| <b>RAM</b>   | <b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4<br><b>64</b> = 64GB DDR4   |
| <b>SSD</b>   | <b>m128</b> = 128GB <b>m256</b> = 256GB<br><b>m32</b> = 32GB <b>m512</b> = 512GB<br><b>m1024</b> = 1TB <b>S32</b> = 32GB MLC<br><b>S128</b> = 128GB <b>S256</b> = 256GB      |
| <b>Wireless</b>  | <b>m</b> = Dual Band WiFi <b>X</b> = No WiFi   |
| <b>OS</b>  | <b>DOS</b> = DOS <b>W_OS</b> = Without OS<br><b>11V</b> = Windows 11 IoT Value <b>11P</b> = Windows 11 Pro<br><b>Thinix</b> = Thinix™ Embedded Linux <b>U</b> = Ubuntu Linux |
| <b>Accessories</b>   | <b>0</b> = None <b>KM</b> = Keyboard and Mouse set<br><b>MK</b> = Mechanical Keyboard <b>Mo</b> = Wired Optical Scroll Mouse   |

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