



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: AERO-I3\_12-16\_16-M256-12\_7-M-THINUX-0



Thinvent® Aero Mini PC: Unleash Compact Power for Uninterrupted Productivity.

Experience exceptional performance in an incredibly small footprint with the Thinvent® Aero Mini PC. Engineered for efficiency and reliability, this mini powerhouse is ideal for a wide range of applications, from office tasks to dedicated embedded solutions.

### Performance at Your Fingertips

- Driven by the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz for lightning-fast processing and efficient multitasking.
- Seamlessly switch between applications with 8GB DDR4 RAM.
- Enjoy ultra-fast boot-ups and rapid application loading thanks to the responsive 128GB SSD.

### Thinvent® Thinux™ Embedded Linux Advantage

- Navigate with ease using pre-installed Chromium and Mozilla Firefox browsers.
- Benefit from robust remote management capabilities including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Support for Java, Python, and glibc-based applications empowers custom solutions.

- Stay productive with LibreOffice and a PDF viewer, and entertained with a multimedia player with MPEG4 support.
- Integrated SIP video and voice over IP ensures seamless communication.

### Comprehensive Connectivity and Robust Design

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a blazing-fast 1000 Mbps Ethernet port.
- Expand your setup with 2x USB 3.2, 6x USB 2.0 (4 front), 1x front USB-C, HDMI, and VGA for versatile dual display support, plus dedicated front and rear audio jacks.
- Its ultra-compact 198mm x 187mm x 40mm dimensions, housed in a durable powder-coated steel and ABS plastic black chassis, fit perfectly into any workspace.
- Certified with BIS, RoHS, and ISO for quality and environmental compliance.

Powering your system is an energy-efficient 12V 7A adapter, capable of handling broad AC inputs from 100~275 Volts, ensuring stable operation in diverse environments.



# 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     | 32 GB   |
| SSD Storage     | 256 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                     |
| 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 ~ 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

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

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

## Wireless

m = Dual Band WiFi

X = No WiFi

## OS

DOS = DOS

11V = Windows 11 IoT Value

Thinix = Thinix™ Embedded Linux

W\_OS = Without OS

11P = Windows 11 Pro

U = Ubuntu Linux

## Accessories

0 = None

MK = Mechanical Keyboard

KM = Keyboard and Mouse set

Mo = Wired Optical Scroll Mouse

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