



# Thinvent Aero Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 8GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Thinux Embedded Linux

SKU: AERO-I5\_14-8-ST28-12\_5-M-THINUX-0



Unleash Mighty Performance in a Miniature Marvel.

### Introduction

Experience the future of compact computing with the Thinvent® Aero Mini PC. Engineered for unparalleled power and efficiency, this powerhouse redefines what's possible in a small form factor, perfect for demanding environments.

### Unrivaled Performance

Driven by the Intel® Core™ 5 120U processor (10 cores, up to 5.0 GHz, 12 MB cache), the Aero Mini PC tackles intensive tasks effortlessly. Coupled with a massive 64GB DDR4 RAM and a lightning-fast 512GB SSD, it delivers blazing-fast boot times, seamless multitasking, and rapid application loading.

### Seamless Connectivity and Versatility

Stay connected with dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet.

- Dual HDMI and a VGA port support multiple display setups.
- A comprehensive array of USB ports, including 2x USB 3.0, 6x USB 2.0 (4 front), and a front USB-C, ensures all your peripherals are accommodated.
- Dedicated speaker out, mic in, and front audio jacks provide complete audio control.

### Secure and Smart Thinux™ Operating System

Powered by Thinvent® Thinux™ Embedded Linux, this Mini PC offers a secure, stable, and highly efficient computing experience.

- Enjoy pre-installed Chromium and Mozilla Firefox.
- Advanced remote management with RDP 10, Putty, SSH, and VNC shadowing.
- Built-in support for Java, Python, and glibc applications.
- Productivity tools like LibreOffice and a PDF viewer.
- Multimedia playback with MPEG4 and SIP video/voice over IP.

### Robust Design and Reliability

Crafted with durable steel and ABS plastic, finished in sleek black powder coat, the Aero Mini PC is built to last.

- Compact at 198mm × 187mm × 40mm, ideal for space-constrained setups.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Operates reliably from 0°C to 35°C, with an efficient 12V 7A power adapter for flexible deployment.





## Specifications

### PROCESSING

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|                 |        |
|-----------------|--------|
| Generation      | 14th   |
| Series          | i5     |
| Processor Brand | Intel  |
| Processor Model | 120U   |
| Cores           | 10     |
| Max Frequency   | 5 GHz  |
| Cache           | 12 MB  |
| Main Memory     | 8 GB   |
| SSD Storage     | 128 GB |

### DISPLAY

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|      |   |
|------|---|
| HDMI | 2 |
| 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 3.0       | 2 |
| USB 2.0       | 2 |
| Front USB 2.0 | 4 |
| Front USB C   | 1 |

### NETWORKING

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|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Wireless Networking | Wi-Fi 5 (802.11ac), dual band |

### 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 | 1.23kg, 1.23kg        |

### OPERATING SYSTEM

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

## Ordering Information

| PRODUCT CODE   |  |
|--|--|
| <b>Aero-i5_14-[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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