



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 8GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Thinix Embedded Linux

SKU: AERO-I5\_12-8-M128-12\_5-M-THINUX-0



Unleash Compact Power: Experience Seamless Performance.

Introducing the Thinvent® Aero Mini PC: A powerful, ultra-compact solution engineered for peak performance in any workspace. Despite its diminutive size, this mini PC packs a serious punch, making it ideal for everything from demanding business applications to advanced thin client deployments.

### Key Performance Features

- Intel® Core™ i5-1250P processor with 12 cores, boosting up to 4.4 GHz and 12 MB cache, delivering exceptional speed and multitasking capabilities.
- 16GB DDR4 RAM for smooth operation, even with multiple applications running simultaneously.
- Lightning-fast 256GB SSD ensures rapid boot times and quick application loading.

### Thinvent® Thinix™ Embedded Linux

Experience a robust and secure operating environment specifically designed for efficiency and control.

- Access the web with Chromium and Mozilla Firefox browsers.

- Seamless remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Centralized management through browser-based remote tools and VNC shadowing.
- Support for Java, Python, and glibc based location applications.
- Boost productivity with LibreOffice and a built-in PDF viewer.
- Multimedia player with MPEG4 support and integrated SIP video/voice over IP for modern communication.

### Connectivity and Build

Stay connected with dual-band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port. A versatile array of ports includes 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C, HDMI, and VGA for diverse display and peripheral needs. Encased in durable, powder-coated steel and ABS plastic, its sleek black finish and compact dimensions (198mm x 187mm x 40mm) ensure it fits perfectly into any environment while meeting BIS, RoHS, and ISO certifications.



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 8 GB    |
| SSD Storage     | 128 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 |

### 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 | 1.62kg, 1.62kg        |

### 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_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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