



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

256GB SSD

Dual Band WiFi

DOS

SKU: AERO-I5\_12-16\_16-M256-12\_10-M-DOS-0



Unleash Mighty Performance in a Micro Footprint.

Experience revolutionary power with the Thinvent® Aero Mini PC. Engineered for demanding tasks, this compact powerhouse features the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz with 12 MB cache, ensuring seamless multitasking and rapid processing. Effortlessly handle your workflow with 16GB DDR4 RAM and enjoy lightning-fast boot times and application launches thanks to the 512GB SSD storage.

### Connectivity & Versatility

Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless access or leverage gigabit speeds with 1000 Mbps Ethernet. Drive dual displays with HDMI and VGA ports for enhanced productivity. A comprehensive suite of 9 USB ports, including high-speed USB 3.2, USB 2.0, and a front USB C, ensures all your peripherals are covered. Integrated speaker out and mic in ports (front and rear) complete your audio setup.

### Compact & Robust Design

Measuring just 198mm × 187mm × 40mm, the Aero Mini PC saves valuable desk space without compromising on durability, thanks to its black powder-coated steel and ABS plastic housing. Operating on a flexible 100~275 Volts AC power input and certified by BIS, RoHS, and ISO, it guarantees reliability and quality. Pre-installed with FreeDOS, it offers you the freedom to choose your preferred operating system.

### Key Technical Specifications

- Processor: Intel Core i5-1250P (12 Core, up to 4.4 GHz, 12 MB cache)
- Main Memory: 16GB DDR4 RAM
- SSD Storage: 512GB
- Video Outputs: 1 HDMI, 1 VGA
- Audio Ports: Speaker Out, Mic In, Front Speaker Out, Front Mic In
- USB Ports: 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C
- Networking: Wi-Fi 5 (802.11ac, dual band), 1000 Mbps Ethernet
- Power Adapter: 12V 7A (2 Metre cable), supports 100~275V AC (50~60 Hz, 1.5A max)
- Operating Environment: 0°C ~ 35°C, 20% ~ 80% RH (non-condensing)
- Certifications: BIS, RoHS, ISO
- Dimensions: 198mm × 187mm × 40mm
- Housing: Steel and ABS Plastic, Powder Coated Black
- Operating System: FreeDOS





# Thinvent Aero Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 1240P   |
| Cores           | 12      |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 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 |

### NETWORKING

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

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 10 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 | 1.71kg, 1.71kg        |

### OPERATING SYSTEM

|                  |         |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

## Ordering Information

### PRODUCT CODE

**Aero-i5\_12-[RAM]-[SSD]-12\_10-[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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