



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 32GB DDR4 RAM

## 256GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

## Thinvent Keyboard and Mouse set

SKU: AERO-I5\_12-32-S256-12\_5-M-11V-KM



Unleash Mighty Performance in a Mini Footprint.

Introducing the Thinvent® Aero Mini PC, a powerhouse engineered for peak efficiency and uncompromising performance in an ultra-compact design. Experience desktop-grade computing without the bulk, perfect for any professional environment or dedicated application.

### Unrivalled Performance

- At its heart lies the Intel® Core™ i5-1250P processor, featuring 12 cores, speeds up to 4.4 GHz, and a substantial 12 MB cache for seamless multitasking and demanding workloads.
- With 16GB DDR4 RAM, enjoy lightning-fast responsiveness and effortlessly run multiple applications simultaneously.
- A rapid 512GB SSD ensures instant boot-ups and quick access to all your critical data.

### Exceptional Connectivity

- Stay connected with an extensive array of ports, including 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a versatile front USB C.

- Dual display support is provided via HDMI and VGA, while dedicated speaker out and mic in jacks, plus front audio ports, offer clear audio versatility.
- Benefit from gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust, high-speed network access.

### Optimized Experience

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers enhanced security, stability, and long-term support, ideal for specialized applications.
- Its sleek, powder-coated black steel and ABS housing measures just 198mm x 187mm x 40mm, fitting discreetly into any workspace.
- Ready to go right out of the box with the included Thinvent® Keyboard and Mouse set.

### Built for Reliability

- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental compliance.
- Operates efficiently from 0°C to 35°C, powered by a dependable 12V 7A adapter with a 2-meter cable for flexible placement.



# 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   | 5 Amps                                       |
| Power Input  | 100~240 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 | 2.14kg, 2.14kg        |

### ACCESSORIES

|                    |   |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

### OPERATING SYSTEM

|                  |                                                     |
|------------------|-----------------------------------------------------|
| Operating System | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

### PRODUCT CODE

**Aero-i5\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

|             |                                         |                                         |                                        |                       |
|-------------|-----------------------------------------|-----------------------------------------|----------------------------------------|-----------------------|
| RAM         | <b>4</b> = 4GB DDR4                     | <b>8</b> = 8GB DDR4                     | <b>16</b> = 16GB DDR4                  | <b>32</b> = 32GB DDR4 |
|             | <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB) | <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB) | <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB)   |                       |
| SSD         | <b>m128</b> = 128GB                     |                                         | <b>m256</b> = 256GB                    |                       |
|             | <b>m512</b> = 512GB                     |                                         | <b>m1024</b> = 1TB                     |                       |
|             | <b>S32</b> = 32GB MLC                   |                                         | <b>S128</b> = 128GB                    |                       |
|             | <b>S256</b> = 256GB                     |                                         |                                        |                       |
| Wireless    | <b>m</b> = Dual Band WiFi               |                                         | <b>X</b> = No WiFi                     |                       |
| OS          | <b>DOS</b> = DOS                        |                                         | <b>W_OS</b> = Without OS               |                       |
|             | <b>11V</b> = Windows 11 IoT Value       |                                         | <b>11P</b> = Windows 11 Pro            |                       |
|             | <b>Thinix</b> = Thinix™ Embedded Linux  |                                         | <b>U</b> = Ubuntu Linux                |                       |
| Accessories | <b>0</b> = None                         |                                         | <b>KM</b> = Keyboard and Mouse set     |                       |
|             | <b>MK</b> = Mechanical Keyboard         |                                         | <b>Mo</b> = Wired Optical Scroll Mouse |                       |

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