



# Thinvent Aero Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

64GB DDR4 RAM (2 x 32GB)

## 2TB SSD

## Dual Band WiFi

## DOS

SKU: AERO-I7\_12L-32\_32-M2048-12\_5-M-DOS-0



Unleash big performance from an incredibly small footprint.

### Engineered for Demanding Environments

The Thinvent® Aero Mini PC delivers robust, industrial-grade computing power in a compact and resilient chassis. It's built to thrive where standard office PCs would falter, offering reliable operation for critical tasks.

### Perfect for Space-Constrained Installations

- Deploys powerful processing seamlessly into digital signage, interactive kiosks, or control panels.
- Acts as a dependable hub for network management, surveillance systems, or in-vehicle computing.

- Its versatile connectivity and dual LAN ports ensure it integrates smoothly into complex setups.

### Built to Last, Designed to Perform

Housed in a rugged, powder-coated casing, the Aero resists the rigours of daily industrial use. It provides a cool, quiet, and steadfast computing core that you can install and forget, focusing entirely on your operation.

Choose the Thinvent® Aero Mini PC: Where formidable Intel® power meets rugged, miniaturised design for uncompromising reliability.



# Thinvent Aero Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i7      |
| Processor Brand | Intel   |
| Processor Model | 1255U   |
| Cores           | 10      |
| Max Frequency   | 4.7 GHz |
| Cache           | 12 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 2048 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 |
| Front USB 2.0 | 4 |
| Front USB C   | 1 |
| RS485 Option  | 1 |

### NETWORKING

|                     |                               |
|---------------------|-------------------------------|
| Ethernet            | 1000 Mbps                     |
| Ethernet Ports      | 2                             |
| 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 | 1.62kg, 1.62kg        |

### OPERATING SYSTEM

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

## Ordering Information

## PRODUCT CODE

Aero-i7\_12l-[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<br>DDR4 RAM (2 x<br>32GB) | <b>16_16</b> = 32GB<br>DDR4 RAM (2 x<br>16GB) | <b>8_8</b> = 16GB DDR4<br>RAM (2 x 8GB) |                       |
| SSD         | <b>m128</b> = 128GB                           | <b>m256</b> = 256GB                           | <b>m1024</b> = 1TB                      |                       |
|             | <b>m512</b> = 512GB                           | <b>S32</b> = 32GB MLC                         | <b>S256</b> = 256GB                     |                       |
| Wireless    | <b>m2048</b> = 2TB                            |                                               |                                         |                       |
|             | <b>S128</b> = 128GB                           |                                               |                                         |                       |
| OS          | <b>m</b> = Dual Band WiFi                     | <b>X</b> = No WiFi                            |                                         |                       |
|             |                                               |                                               |                                         |                       |
| Accessories | <b>DOS</b> = DOS                              | <b>W_OS</b> = Without OS                      |                                         |                       |
|             | <b>11V</b> = Windows 11 IoT Value             | <b>11P</b> = Windows 11 Pro                   |                                         |                       |
|             | <b>110</b> = Windows 11 Professional          | <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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