



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## Dual LAN

16GB DDR4 RAM (2 x 8GB)

512GB SSD

No WiFi

Thinux Embedded Linux

SKU: AERO-I5\_12L-8\_8-M512-12\_7-X-THINUX-0



Unleash robust computing power in a compact, industrial-grade package.

Ideal for business-critical and embedded applications where reliability is paramount.

### Engineered for demanding environments

The Thinvent Aero Mini PC delivers silent, fanless operation and is built from rugged steel to thrive in harsh conditions, from factory floors to digital signage installations. Its dedicated dual Gigabit LAN ports ensure unwavering network reliability for control systems and secure data transfer.

### Simplify deployment and management

Pre-installed with our secure, lightweight Thinux™ operating system, it arrives ready for your specialised software. Benefit from powerful remote management tools, including browser-based control and VNC, allowing for effortless oversight and maintenance from anywhere. This streamlined approach reduces setup time and total cost of ownership.

### Power your specialised solutions

- Drive multiple displays for dynamic digital signage and information kiosks.
- Act as the dependable heart of automation, IoT gateways, and thin client setups.
- Support custom industrial applications with built-in support for Java and Python.

Choose the Aero Mini PC for a focused, powerful, and utterly dependable computing core that just works.



# 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     | 16 GB   |
| SSD Storage     | 512 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 |

### NETWORKING

|                |           |
|----------------|-----------|
| Ethernet       | 1000 Mbps |
| Ethernet Ports | 2         |

### POWER

|              |                                              |
|--------------|----------------------------------------------|
| DC Voltage   | 12 Volts                                     |
| DC Current   | 7 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 | Thinvent® Thinux™ Embedded Linux                                                                                                                                                                                                                                                                                                                                  |
| OS Features      | <p>Chromium and Mozilla Firefox browsers.</p> <p>RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display.</p> <p>Browser based remote management. VNC shadowing.</p> <p>Java, Python and glibc based location application support.</p> <p>LibreOffice and PDF viewer.</p> <p>Multimedia player with MPEG4 support.</p> <p>SIP video and voice over IP.</p> |

## Ordering Information

### PRODUCT CODE

**Aero-i5\_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 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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