



# Thinvent Aero Mini PC

## Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

## Dual LAN

## 16GB DDR5 RAM

## 1TB SSD

## No WiFi

## DOS

SKU: AERO-CU5\_14L-16\_5-M1024-12\_5-X-DOS-0



## Engineered for the Core of Your Operation

Meet the Thinvent® Aero Mini PC, the compact powerhouse built to drive your essential industrial processes. Designed for reliability and seamless integration, it delivers robust performance right where you need it most.

### Unwavering Reliability for Demanding Environments

- Forgoes complex wireless systems for ultimate stability in sensitive or secure installations.
- Its rugged, industrial-grade construction ensures consistent operation in a wide range of conditions.
- Dual Gigabit Ethernet ports provide dependable, high-speed wired connectivity for critical network tasks.

### Compact Power, Maximum Productivity

- Harness efficient processing power to run digital signage, control systems, or point-of-sale terminals smoothly.

- Its remarkably small footprint saves invaluable space in control cabinets, kiosks, or behind monitors.
- Extensive front and rear connectivity allows for straightforward setup with a vast array of peripherals and displays.

### Simplify and Secure Your Digital Infrastructure

- The included DOS environment offers a clean slate for installing your specialised, proprietary, or legacy software.
- By focusing on core, wired connectivity, it reduces potential network vulnerabilities for a more secure setup.
- Ready to integrate and built to last, it's the straightforward, dependable computing solution for focused industrial applications.



## Specifications

### PROCESSING

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|                 |         |
|-----------------|---------|
| Generation      | 14th    |
| Series          | Ultra 5 |
| Processor Brand | Intel   |
| Processor Model | 125U    |
| Cores           | 12      |
| Max Frequency   | 4.3 GHz |
| Cache           | 12 MB   |
| Main Memory     | 16 GB   |
| SSD Storage     | 1024 GB |

### DISPLAY

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|          |   |
|----------|---|
| HDMI 2.0 | 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 |
| RS485 Option  | 1 |

### NETWORKING

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

### 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 | FreeDOS |
|------------------|---------|

## Ordering Information

| PRODUCT CODE   |   |                         |  |
|--|---|-------------------------|--|
| <b>Aero-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories]</b> |   |                         |  |
| RAM  | <b>8_5</b> = 8GB DDR5   | <b>16_5</b> = 16GB DDR5 | <b>32_5</b> = 32GB DDR5  |
| SSD  | <b>m128</b> = 128GB<br><b>m32</b> = 32GB<br><b>m1024</b> = 1TB<br><b>S128</b> = 128GB           |                         | <b>m256</b> = 256GB<br><b>m512</b> = 512GB<br><b>S32</b> = 32GB MLC<br><b>S256</b> = 256GB |
| 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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