



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## Dual LAN

## 8GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 IoT Value

## Thinvent Keyboard and Mouse set

SKU: AERO-I5\_12L-8-M512-12\_5-X-11V-KM



Unleash silent power in the tightest of spaces.

Engineered for demanding industrial environments, the Thinvent® Aero Mini PC delivers robust, fanless computing without compromise. Its compact, rugged steel chassis is built to withstand vibration, dust, and continuous operation, ensuring unwavering reliability where it matters most.

### Perfect for

- Powering digital signage and interactive kiosks in retail or public spaces.
- Running dedicated control systems for manufacturing and automation.
- Serving as a compact server or network appliance in telecoms and security.
- Providing a stable, low-maintenance workstation for logistics and warehousing.

- Total reliability with a fanless, solid-state design that has no moving parts to fail.
- Uninterrupted operation in challenging conditions, from factory floors to outdoor enclosures.
- Simplified deployment and connectivity with dual Gigabit Ethernet ports for critical network redundancy.
- A complete, out-of-the-box solution that includes a trusted Windows IoT operating system and peripherals.
- Substantial space and energy savings compared to bulky traditional desktops.

Deploy a powerhouse of industrial computing that simply works, day in and day out. The Aero Mini PC is your steadfast partner for critical operations.

### Why choose the Aero Mini PC



## Specifications

### PROCESSING

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Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	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
Front USB 2.0	4
Front USB C	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	2.14kg, 2.14kg

### ACCESSORIES

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Keyboard and Mouse	1
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### OPERATING SYSTEM

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Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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## Ordering Information

### PRODUCT CODE

**Aero-i5\_12l-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

#### RAM

**4** = 4GB DDR4

**8** = 8GB DDR4

**16** = 16GB DDR4

**32** = 32GB DDR4

**32\_32** = 64GB  
DDR4 RAM (2 x  
32GB)

**16\_16** = 32GB  
DDR4 RAM (2 x  
16GB)

**8\_8** = 16GB DDR4  
RAM (2 x 8GB)

#### SSD

**m128** = 128GB

**m512** = 512GB

**S32** = 32GB MLC

**S256** = 256GB

**m256** = 256GB

**m1024** = 1TB

**S128** = 128GB

#### Wireless

**m** = Dual Band WiFi

**X** = No WiFi

#### OS

**DOS** = DOS

**11V** = Windows 11 IoT Value

**Thinix** = Thinix™ Embedded Linux

**W\_OS** = Without OS

**11P** = Windows 11 Pro

**U** = Ubuntu Linux

#### Accessories

**0** = None

**MK** = Mechanical Keyboard

**KM** = Keyboard and Mouse set

**Mo** = Wired Optical Scroll Mouse

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