



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 8GB DDR4 RAM

## 512GB SSD

## No WiFi

## DOS

SKU: AERO-I3\_12-8-M512-12\_5-X-DOS-0



### Thinvent® Aero Mini PC: Unrivaled Power, Uncompromised Control.

Elevate your productivity with the Thinvent® Aero Mini PC, a powerful yet compact solution designed for demanding tasks and secure environments. Its robust performance and extensive wired connectivity make it ideal for industrial control, point-of-sale systems, digital signage, or any application requiring steadfast reliability.

#### Core Performance That Delivers

- Experience swift multitasking and responsiveness with the Intel® Core™ i3-1215U processor, boasting 6 cores and turbo speeds up to 4.4 GHz for efficient operation, complemented by 10 MB of cache.
- Keep applications running smoothly with 8GB of high-speed DDR4 RAM.
- Benefit from rapid boot times and quick data access provided by the responsive 128GB SSD.

#### Extensive Connectivity and Build

- Connect dual displays via HDMI and VGA, and power all your peripherals with 2x USB 3.2, 6x USB 2.0 (4 conveniently front-mounted), and a front USB C port.

- Ensure stable, high-speed networking with a 1000 Mbps Ethernet port, perfect for secure, wired setups.
- Built for longevity, its durable steel and ABS plastic housing, finished in black powder coat, withstands tough environments while maintaining a sleek 198mm × 187mm × 40mm profile.
- Operate confidently with a wide 100~275V AC power input and an included 12V 7A adapter, featuring a 2-metre cable.
- Designed for challenging conditions, it operates reliably from 0°C to 35°C and 20% to 80% non-condensing humidity.
- Certified BIS, RoHS, and ISO, guaranteeing quality and compliance.

#### Your Secure, Customizable Platform

- Arriving with FreeDOS, the Aero Mini PC provides a clean, secure foundation, free from integrated WiFi, allowing you to install your preferred operating system or specialized software without unnecessary bloat or wireless vulnerabilities.



## Specifications

### PROCESSING

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Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 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
USB 2.0	2
Front USB 2.0	4
Front USB C	1
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
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### 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	1.59kg, 1.59kg

### OPERATING SYSTEM

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Operating System	FreeDOS
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## Ordering Information

PRODUCT CODE	
<b>Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>	
<b>RAM</b>	<b>4</b> = 4GB DDR4 <b>8</b> = 8GB DDR4 <b>16</b> = 16GB DDR4 <b>32</b> = 32GB DDR4 <b>64</b> = 64GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m256</b> = 256GB <b>m32</b> = 32GB <b>m512</b> = 512GB <b>m1024</b> = 1TB <b>S32</b> = 32GB MLC <b>S128</b> = 128GB <b>S256</b> = 256GB
<b>Wireless</b>	<b>m</b> = Dual Band WiFi <b>X</b> = No WiFi
<b>OS</b>	<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
<b>Accessories</b>	<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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