



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

No WiFi

Ubuntu Linux

SKU: AERO-I3\_12-32\_32-M512-12\_7-X-U-0



Unleash Mighty Performance in a Minimal Footprint.

The Thinvent® Aero Mini PC: Your compact powerhouse for efficiency and reliability.

Experience exceptional computing in a sleek, space-saving design. Powered by an Intel® Core™ i3-1215U processor, this Mini PC features 6 cores with speeds up to 4.4 GHz and a 10 MB cache, ensuring smooth multitasking and rapid application performance for all your demanding tasks.

### Key Advantages

#### Blazing Speed and Capacity

- 32GB DDR4 RAM for handling intensive workloads
- 32GB MLC SSD for lightning-fast boot times and superior durability

#### Robust Connectivity

- Dual display support with HDMI and VGA ports
- Extensive peripheral options with 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, and 1x Front USB C
- Stable, high-speed wired networking via 1000 Mbps Ethernet, ideal for secure and consistent performance where WiFi is not desired

### Ready for Action

- Pre-installed with Ubuntu Linux 24.04 LTS, offering a secure, stable, and user-friendly open-source environment right out of the box

### Built to Last

- Durable steel and ABS plastic housing with a sleek black powder-coated finish
- Compact dimensions (198mm x 187mm x 40mm) for versatile placement
- Certified with BIS, RoHS, and ISO for quality assurance and environmental compliance
- Reliable operation in temperatures from 0°C to 35°C, and humidity 20% to 80% RH

This Mini PC is ideal for professional workstations, industrial control, education, point-of-sale, or any scenario demanding unwavering reliability and powerful performance in a small form factor.



## 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	64 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	7 Amps
Power Input	100~275 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	1.68kg, 1.68kg

### OPERATING SYSTEM

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Operating System	Ubuntu Linux 24.04 LTS
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## Ordering Information

### PRODUCT CODE

**Aero-i3\_12-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

<b>RAM</b>	<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)	
<b>SSD</b>	<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			
<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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