



# Thinvent Aero Mini PC

## Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

## 4GB DDR4 RAM

## 128GB SSD

## Dual Band WiFi

## Windows 11 IoT Value

SKU: AERO-I3\_12-4-S128-12\_5-M-11V-0



Unleash compact power with the Thinvent® Aero Mini PC.

Experience unparalleled performance in a miniature footprint. The Thinvent® Aero Mini PC redefines efficiency, packing a punch for demanding tasks, digital signage, kiosks, and specialized embedded applications.

### Powerful Performance at Your Fingertips

- Driven by the Intel® Core™ i3-1215U processor with 6 cores and up to 4.4 GHz, effortlessly tackle multitasking and complex workflows.
- A massive 64GB DDR4 RAM ensures lightning-fast responsiveness, even with numerous applications running simultaneously.
- Boot up in seconds and access data instantly with the rapid 128GB SSD storage.

### Seamless Connectivity & Versatility

- Connect dual displays with both HDMI and VGA outputs for extended workspaces.
- Extensive peripheral support includes 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, and 1x front USB C ports.
- Stay connected with reliable Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

- Comprehensive audio options, including front and rear speaker/mic ports, provide flexible sound solutions.

### Designed for Durability and Efficiency

- Its ultra-compact 198mm x 187mm x 40mm steel and ABS plastic housing is powder-coated black, built to last in professional environments.
- Operates reliably in temperatures from 0°C to 35°C, ensuring stability in various settings.
- The energy-efficient 12V 7A adapter with wide 100~275V AC input offers operational flexibility and reduced energy consumption.

### Optimized Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a secure, stable, and long-term support solution ideal for dedicated business applications.

The Thinvent® Aero Mini PC is the ultimate compact powerhouse, delivering robust performance, versatile connectivity, and unwavering reliability for your professional needs.



## 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	4 GB
SSD Storage	128 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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

[www.thinvent.in](http://www.thinvent.in)

[sales@thinvent.in](mailto:sales@thinvent.in)

+91-11-430-77467

+91-99903-44251

### R&D and Manufacturing

#11 Sports Complex  
 Salvador Do Mundo  
 North Goa - 403101, India

### Sales

UGF-10-A Omaxe Gurgaon Mall  
 Sector 49, Sohna Road  
 Gurgaon - 122018, India

