



# Thinvent Aero Mini PC

## Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

## 16GB DDR4 RAM

## 512GB SSD

## No WiFi

## Windows 11 IoT Value

## Thinvent Keyboard and Mouse set

SKU: AERO-I5\_14-16-M512-12\_5-X-11V-KM



Unleash Enterprise Power in a Mini Footprint.

Experience robust performance and unwavering reliability with the Thinvent® Aero Mini PC. Engineered for demanding environments, this compact powerhouse delivers exceptional speed and efficiency in a durable, space-saving design.

### Unrivaled Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a 12 MB cache, it handles intensive tasks with ease.
- Conquer multitasking with a massive 64GB DDR4 RAM, ensuring seamless operation for all your applications.
- Enjoy lightning-fast system responsiveness and quick application loading from the 128GB SSD.

### Connectivity and Security

- Designed for secure, wired environments, the Aero Mini PC comes without WiFi, focusing on stable Gigabit Ethernet connectivity (1000 Mbps).
- Abundant I/O ports include 2x HDMI, 1x VGA for versatile multi-monitor display options, 2x USB 3.0, 6x USB 2.0 (4 front), and 1x front USB C for extensive peripheral support.

- Dedicated audio ports provide clear speaker out and mic in.

### Enterprise-Grade Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, guaranteeing long-term support, enhanced security, and specialized industrial capabilities.

### Ready to Deploy

- Comes complete with a Thinvent® Keyboard and Mouse set, ensuring you're ready to operate right out of the box.
- The robust steel and ABS plastic housing, finished in sleek powder-coated black, measures just 198mm x 187mm x 40mm.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance for a range of operating temperatures (0°C ~ 35°C) and humidity (20% ~ 80% RH, non-condensing).

### Power Supply

- Utilizes a 12V 7A DC adapter with a 2-metre cable, accepting 100~275V AC input for reliable power.



## Specifications

### PROCESSING

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Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

### DISPLAY

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HDMI	2
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 3.0	2
USB 2.0	2
Front USB 2.0	4
Front USB C	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	1.74kg, 1.74kg

### 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				
<b>Aero-i5_14-[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

