



# Thinvent Aero Mini PC

## Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

## 32GB DDR4 RAM

## 32GB MLC SSD

## Dual Band WiFi

## DOS

SKU: AERO-I5\_12-32-S32-12\_5-M-DOS-0



Unleash Mighty Performance in a Micro Footprint.

Experience revolutionary power with the Thinvent® Aero Mini PC. Engineered for demanding tasks, this compact powerhouse features the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz with 12 MB cache, ensuring seamless multitasking and rapid processing. Effortlessly handle your workflow with 16GB DDR4 RAM and enjoy lightning-fast boot times and application launches thanks to the 512GB SSD storage.

### Connectivity & Versatility

Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless access or leverage gigabit speeds with 1000 Mbps Ethernet. Drive dual displays with HDMI and VGA ports for enhanced productivity. A comprehensive suite of 9 USB ports, including high-speed USB 3.2, USB 2.0, and a front USB C, ensures all your peripherals are covered. Integrated speaker out and mic in ports (front and rear) complete your audio setup.

### Compact & Robust Design

Measuring just 198mm x 187mm x 40mm, the Aero Mini PC saves valuable desk space without compromising on durability, thanks to its black powder-coated steel and ABS plastic housing. Operating on a flexible 100~275 Volts AC power input and certified by BIS, RoHS, and ISO, it guarantees reliability and quality. Pre-installed with FreeDOS, it offers you the freedom to choose your preferred operating system.

### Key Technical Specifications

- Processor: Intel Core i5-1250P (12 Core, up to 4.4 GHz, 12 MB cache)
- Main Memory: 16GB DDR4 RAM
- SSD Storage: 512GB
- Video Outputs: 1 HDMI, 1 VGA
- Audio Ports: Speaker Out, Mic In, Front Speaker Out, Front Mic In
- USB Ports: 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C
- Networking: Wi-Fi 5 (802.11ac, dual band), 1000 Mbps Ethernet
- Power Adapter: 12V 7A (2 Metre cable), supports 100~275V AC (50~60 Hz, 1.5A max)
- Operating Environment: 0°C ~ 35°C, 20% ~ 80% RH (non-condensing)
- Certifications: BIS, RoHS, ISO
- Dimensions: 198mm x 187mm x 40mm
- Housing: Steel and ABS Plastic, Powder Coated Black
- Operating System: FreeDOS





## 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	32 GB
SSD Storage	32 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

### 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	1.62kg, 1.62kg

### OPERATING SYSTEM

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Operating System	FreeDOS
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## Ordering Information

PRODUCT CODE				
<b>Aero-i5_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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