



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

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: AERO-I3_12-32_32-M512-12_7-M-DOS-KM



Unleash Peak Performance in a Compact Powerhouse

Introducing the Thinvent® Aero Mini PC, your gateway to exceptional computing power in an ultra-compact form factor. Designed for efficiency and versatility, this Mini PC redefines what's possible in a small footprint.

Processor Power

- Experience lightning-fast responsiveness with the Intel® Core™ i3-1215U processor.
- Featuring 6 cores, it effortlessly handles demanding tasks.
- Reach peak performance with a max frequency of up to 4.4 GHz.
- Benefit from the enhanced efficiency of a 10 MB cache.

Massive Memory and Speedy Storage

- Multitask like never before with a massive 64GB of DDR4 RAM.
- Enjoy quick boot times and rapid application loading with a 32GB MLC SSD.

Versatile Connectivity

- Connect to any display with HDMI and VGA outputs.
- Easily connect all your peripherals with 2 USB 3.2 ports and 2 USB 2.0 ports.

- Front access provides 4 USB 2.0 ports and 1 USB C port for ultimate convenience.
- Enjoy seamless wired networking with 1000 Mbps Ethernet.
- Stay connected wirelessly with dual-band Wi-Fi 5 (802.11ac).
- Dedicated ports for speaker out and mic in, including front options, ensure clear audio.

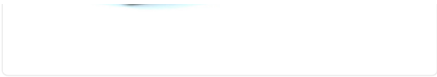
Robust and Reliable Design

- Powered by a 12V 7A adapter, compatible with 100~275 Volts AC.
- Built to last with a durable steel and ABS plastic housing, powder-coated in sleek black.
- Operates efficiently within a 0°C ~ 35°C temperature range.
- Certified for quality and safety with BIS, RoHS, and ISO.
- Compact dimensions of 198mm × 187mm × 40mm fit anywhere.

Included Peripherals

- Get started immediately with the included Thinvent® Keyboard and Mouse set.
- Comes with FreeDOS, offering a flexible operating system base.





Thinvent Aero Mini PC



Specifications

PROCESSING

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

HDMI	1
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.2	2
USB 2.0	2
Front USB 2.0	4
Front USB C	1
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

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

Operating Temperature	0°C ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

PHYSICAL

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	2.20kg, 2.20kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	FreeDOS
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Ordering Information

PRODUCT CODE

Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB		m256 = 256GB	
	m512 = 512GB		m1024 = 1TB	
	S32 = 32GB MLC		S128 = 128GB	
	S256 = 256GB			
Wireless	m = Dual Band WiFi		X = No WiFi	
OS	DOS = DOS		W_OS = Without OS	
	11V = Windows 11 IoT Value		11P = Windows 11 Pro	
	Thinix = Thinix™ Embedded Linux		U = Ubuntu Linux	
Accessories	0 = None		KM = Keyboard and Mouse set	
	MK = Mechanical Keyboard		Mo = Wired Optical Scroll Mouse	

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