



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Without OS

SKU: AERO-I3_12-16_16-M512-12_7-X-W_OS-0



Unleash Mighty Performance in a Mini Footprint.

The Thinvent® Aero Mini PC is engineered for demanding tasks, delivering robust power in an incredibly compact design. Perfect for professional workstations, digital signage, or specialized applications, it redefines efficiency without compromise.

Core Power and Speed

- Experience unparalleled responsiveness with the Intel® Core™ i3-1215U processor, featuring 6 cores and a blistering max frequency of 4.4 GHz. A 10 MB cache ensures swift data access, making multitasking seamless.

Exceptional Memory and Storage

- With a colossal 64GB DDR4 RAM, you'll navigate complex applications and intensive workflows with absolute fluidity. The 128GB SSD provides lightning-fast boot times and rapid access to your essential programs, ensuring an exceptionally smooth user experience.

Comprehensive Connectivity

- Despite its size, the Aero Mini PC offers extensive connectivity.
- Display outputs: 1 HDMI, 1 VGA
- Audio: Dedicated speaker out and mic in ports, plus convenient front speaker out and front mic in options

- USB ports: A total of 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and 1 versatile front USB C port for all your peripherals.
- Networking: Reliable 1000 Mbps Ethernet for stable wired connections.

Designed for Durability and Versatility

- Its sleek, black powder-coated steel and ABS plastic housing measures just 198mm x 187mm x 40mm, making it incredibly space-efficient. Operating reliably from 0°C to 35°C, it's built to last.
- Power input: Wide range 100~275 Volts AC (50~60 Hz, 1.5 Amps max) with a 2-metre cable and 12 Volts 7 Amps adapter.
- Certifications: BIS, RoHS, ISO standards ensure quality and safety.

Your Freedom to Choose

- Shipped without an operating system, the Aero Mini PC provides the ultimate flexibility for you to install your preferred OS, tailoring it precisely to your needs. Optimized for stable wired connections, it offers focused performance where wireless is not required.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	32 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
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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	1.68kg, 1.68kg

OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE

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

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

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