



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

No WiFi

Ubuntu Linux

SKU: AERO-I3_12-32_32-M512-12_5-X-U-0



Unleash Mighty Performance in a Minimal Footprint.

The Thinvent® Aero Mini PC: Your compact powerhouse for efficiency and reliability.

Experience exceptional computing in a sleek, space-saving design. Powered by an Intel® Core™ i3-1215U processor, this Mini PC features 6 cores with speeds up to 4.4 GHz and a 10 MB cache, ensuring smooth multitasking and rapid application performance for all your demanding tasks.

Key Advantages

Blazing Speed and Capacity

- 32GB DDR4 RAM for handling intensive workloads
- 32GB MLC SSD for lightning-fast boot times and superior durability

Robust Connectivity

- Dual display support with HDMI and VGA ports
- Extensive peripheral options with 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, and 1x Front USB C
- Stable, high-speed wired networking via 1000 Mbps Ethernet, ideal for secure and consistent performance where WiFi is not desired

Ready for Action

- Pre-installed with Ubuntu Linux 24.04 LTS, offering a secure, stable, and user-friendly open-source environment right out of the box

Built to Last

- Durable steel and ABS plastic housing with a sleek black powder-coated finish
- Compact dimensions (198mm x 187mm x 40mm) for versatile placement
- Certified with BIS, RoHS, and ISO for quality assurance and environmental compliance
- Reliable operation in temperatures from 0°C to 35°C, and humidity 20% to 80% RH

This Mini PC is ideal for professional workstations, industrial control, education, point-of-sale, or any scenario demanding unwavering reliability and powerful performance in a small form factor.



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
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POWER

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

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	1.59kg, 1.59kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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

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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