



Thinvent Aero Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

16GB DDR4 RAM (2 x 8GB)

128GB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I3_13-8_8-S128-12_5-X-11V-0



Power, Precision, and Unwavering Reliability in a Mini Footprint.

Unleash exceptional performance with the Thinvent® Aero Mini PC, engineered for efficiency and robust operation. Featuring an Intel® Core™ i3-1315U processor with 6 cores and a boost frequency of up to 4.5 GHz, alongside a generous 10 MB cache, this mini PC delivers seamless multitasking and responsive computing for demanding business applications. With 8GB of DDR4 RAM and a lightning-fast 256GB SSD, experience rapid boot-ups and quick access to your critical data.

Connectivity Features

- Comprehensive I/O for all your peripherals
- Dual display support with 1x HDMI and 1x VGA ports
- Total of 8 USB ports including 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, and a convenient Front USB C
- Dedicated audio ports: Speaker Out, Mic In, Front Speaker Out, Front Mic In
- Stable, high-speed networking with 1000 Mbps Ethernet

Engineered for Security and Specialised Applications

For environments prioritizing secure, wired connections, the Aero Mini PC offers enhanced network integrity with its dedicated Ethernet and no integrated WiFi. It comes pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a highly reliable, long-term support operating system tailored for embedded solutions and specialized tasks.

Compact and Durable Design

Encased in a sleek, black powder-coated steel and ABS plastic housing, measuring just 198mm x 187mm x 40mm, this mini PC fits effortlessly into any workspace. Its robust construction ensures durability, while certifications like BIS, RoHS, and ISO guarantee quality and compliance. It's powered by a robust 12V 7A adapter with a generous 2-metre cable, capable of handling wide AC input from 100~275V and designed for reliable operation.

Experience the perfect blend of power, security, and compact design with the Thinvent Aero Mini PC – your ultimate solution for focused performance.



Specifications

PROCESSING

Generation	13th
Series	i3
Processor Brand	Intel
Processor Model	1315U
Cores	6
Max Frequency	4.5 GHz
Cache	10 MB
Main Memory	16 GB
SSD Storage	128 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

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	1.52kg, 1.52kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

Aero-i3_13-[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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