



Thinvent Aero Mini PC

Intel Core i3-1315U processor

6 core, up to 4.5 GHz, 10 MB cache

32GB DDR4 RAM

32GB MLC SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I3_13-32-S32-12_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 | 32 GB |
| SSD Storage | 32 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 |
|----------|-----------|

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 |
|------------------|---|

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 64 = 64GB DDR4 |
| SSD | m128 = 128GB m256 = 256GB m32 = 32GB 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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