

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: AERO-I3_12-16-M512-12_5-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.

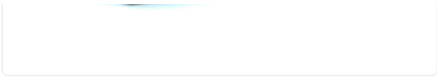
Robust and Reliable Design

- 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 x 187mm x 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.





Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 16 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 | 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 | 2.10kg, 2.10kg |

ACCESSORIES

| | |
|--------------------|---|
| Keyboard and Mouse | 1 |
|--------------------|---|

OPERATING SYSTEM

| | |
|------------------|---------|
| Operating System | FreeDOS |
|------------------|---------|

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 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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