



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)

1TB SSD

Dual Band WiFi

Without OS

SKU: AERO-I3_12-32_32-M1024-12_5-M-W_OS-0



Unleash Mighty Performance in a Mini Footprint.

Experience unparalleled power and compact efficiency with the Thinvent® Aero Mini PC. Engineered for demanding tasks, this sleek powerhouse brings desktop-level performance to any workspace, large or small.

Core Performance

- Driven by the Intel® Core™ i3-1215U processor with 6 cores and a max frequency of 4.4 GHz, effortlessly tackle multitasking and intensive applications.
- Command immense power with 64GB DDR4 RAM, ensuring seamless operation for complex projects and virtual environments.
- Benefit from lightning-fast boot times and rapid application loading with the 128GB SSD.

Connectivity & Versatility

- Expand your workspace with dual display support via HDMI and VGA.
- Connect all your peripherals with an extensive array of ports, including 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, and 1x Front USB C.

- Enjoy reliable wired connectivity with 1000 Mbps Ethernet or flexible wireless networking with dual-band Wi-Fi 5 (802.11ac).
- Versatile audio options with front and rear speaker out and mic in.

Designed for Durability & Flexibility

- Its robust steel and ABS plastic, powder-coated black housing measures a mere 198mm x 187mm x 40mm, fitting discreetly anywhere.
- Operate confidently with BIS, RoHS, and ISO certifications, ensuring quality and compliance.
- The included 12V 7A adapter with a 2-meter cable provides flexible power and wide input voltage compatibility (100~275V AC).
- Offered without an operating system, giving you the freedom to install your preferred OS.

Transform your productivity with the Thinvent® Aero Mini PC – compact, powerful, and ready for your toughest challenges.



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 | 1024 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 | 1.59kg, 1.59kg |

OPERATING SYSTEM

| | |
|------------------|------------|
| Operating System | Without OS |
|------------------|------------|

Ordering Information

| PRODUCT CODE | |
|--|---|
| Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories] | |
| RAM | <div style="display: flex; justify-content: space-between;"> <div style="width: 22%;"> <p>4 = 4GB DDR4</p> <p>32_32 = 64GB DDR4 RAM (2 x 32GB)</p> </div> <div style="width: 22%;"> <p>8 = 8GB DDR4</p> <p>16_16 = 32GB DDR4 RAM (2 x 16GB)</p> </div> <div style="width: 22%;"> <p>16 = 16GB DDR4</p> <p>8_8 = 16GB DDR4 RAM (2 x 8GB)</p> </div> <div style="width: 22%;"> <p>32 = 32GB DDR4</p> </div> </div> |
| SSD | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>m128 = 128GB</p> <p>m512 = 512GB</p> <p>S32 = 32GB MLC</p> <p>S256 = 256GB</p> </div> <div style="width: 48%;"> <p>m256 = 256GB</p> <p>m1024 = 1TB</p> <p>S128 = 128GB</p> </div> </div> |
| Wireless | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>m = Dual Band WiFi</p> </div> <div style="width: 48%;"> <p>X = No WiFi</p> </div> </div> |
| OS | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>DOS = DOS</p> <p>11V = Windows 11 IoT Value</p> <p>Thinix = Thinix™ Embedded Linux</p> </div> <div style="width: 48%;"> <p>W_OS = Without OS</p> <p>11P = Windows 11 Pro</p> <p>U = Ubuntu Linux</p> </div> </div> |
| Accessories | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>0 = None</p> <p>MK = Mechanical Keyboard</p> </div> <div style="width: 48%;"> <p>KM = Keyboard and Mouse set</p> <p>Mo = Wired Optical Scroll Mouse</p> </div> </div> |

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