



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

1TB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I3_12-32-M1024-12_5-X-11V-0



Unleash Unrivaled Performance in a Compact Powerhouse.

Introducing the Thinvent® Aero Mini PC, an engineering marvel designed for demanding commercial and industrial applications where reliability, speed, and security are paramount. This mini PC packs formidable power into an ultra-durable chassis, ensuring seamless operation in critical environments.

Core Performance

- Experience exceptional responsiveness with the Intel® Core™ i3-1215U processor, featuring 6 cores and a boost frequency up to 4.4 GHz, backed by a generous 10 MB cache.
- Multitask without limits thanks to an impressive 64GB DDR4 RAM, perfect for heavy workloads and virtualized environments.
- Enjoy rapid boot times and quick application loading from the integrated 128GB SSD, delivering consistent performance.

Operating System and Security

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers enhanced security, long-term support, and tailored stability for embedded and dedicated solutions.

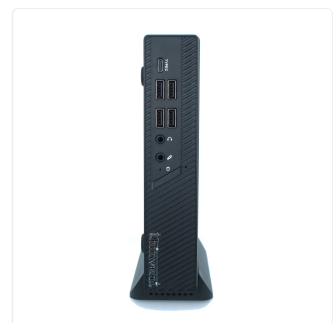
- Prioritize unwavering connectivity with gigabit Ethernet, ensuring secure and stable wired network performance without wireless vulnerabilities.

Extensive Connectivity

- Connect all your peripherals with ease via 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, and 1x front USB C ports.
- Drive dual displays simultaneously with 1x HDMI and 1x VGA outputs.
- Integrated audio includes speaker out, mic in, front speaker out, and front mic in for comprehensive audio support.

Built to Last

- Housed in a robust steel and ABS plastic chassis with a professional black powder-coated finish, the Aero Mini PC is built for durability.
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.
- Its ultra-compact 198mm × 187mm × 40mm dimensions ensure it fits discreetly into any setup.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i3 |
| Processor Brand | Intel |
| Processor Model | 1215U |
| Cores | 6 |
| Max Frequency | 4.4 GHz |
| Cache | 10 MB |
| Main Memory | 32 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 |
|----------|-----------|

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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|---|

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 |

www.thinvent.in

sales@thinvent.in

+91-11-430-77467

+91-99903-44251

R&D and Manufacturing

#11 Sports Complex
 Salvador Do Mundo
 North Goa - 403101, India

Sales

UGF-10-A Omaxe Gurgaon Mall
 Sector 49, Sohna Road
 Gurgaon - 122018, India

