



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

256GB SSD

No WiFi

Ubuntu Linux

SKU: AERO-I5_12-4-S256-12_5-X-U-0



Unleash mighty performance in a minuscule package.

Introducing the Thinvent® Aero Mini PC: Your compact powerhouse for demanding tasks. Engineered for stability and performance, this mini PC redefines efficiency in a footprint that fits virtually anywhere.

Unrivalled Processing Power

At its core lies the Intel® Core™ i5-1250P processor, a 12-core marvel reaching speeds up to 4.4 GHz with 12 MB cache. Experience seamless multitasking and rapid application execution, backed by a robust 16GB DDR4 RAM. The 32GB MLC SSD ensures lightning-fast boot times and exceptional durability for core OS operations, all running on the stable and secure Ubuntu Linux 24.04 LTS.

Comprehensive Connectivity

Despite its small size, the Aero Mini PC offers an extensive array of ports to meet all your peripheral needs

- 2x USB 3.2 ports for high-speed data transfer
- 6x USB 2.0 ports (2 rear, 4 front) for versatile peripheral connection

- 1x Front USB-C for modern device compatibility
- 1x HDMI and 1x VGA port for flexible dual-display setups
- Dedicated Speaker Out, Front Speaker Out, Mic In, and Front Mic In for crystal-clear audio
- 1x 1000 Mbps Ethernet port for reliable, high-speed wired network access (No WiFi)

Robust Design and Reliability

Crafted from durable steel and ABS plastic with a sleek, powder-coated black finish, this mini PC is built to last. Its ultra-compact dimensions of 198mm x 187mm x 40mm make it ideal for space-constrained environments. Operating reliably from 0°C to 35°C and 20% to 80% non-condensing humidity, it's certified with BIS, RoHS, and ISO standards, ensuring quality and safety. Powered by a 12V 7A adapter with a wide 100~275V AC input and a 2-metre cable, the Aero Mini PC is ready to integrate effortlessly into your setup.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 12th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 1240P |
| Cores | 12 |
| Max Frequency | 4.4 GHz |
| Cache | 12 MB |
| Main Memory | 4 GB |
| SSD Storage | 256 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 | 1.62kg, 1.62kg |

OPERATING SYSTEM

| | |
|------------------|------------------------|
| Operating System | Ubuntu Linux 24.04 LTS |
|------------------|------------------------|

Ordering Information

| PRODUCT CODE | |
|--|--|
| Aero-i5_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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