



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-15_14-4-M512-12_5-M-11V-KM



Unleash Powerful Productivity in a Compact Form: The Thinvent® Aero Mini PC.

Experience unparalleled performance and efficiency with the Thinvent® Aero Mini PC. Powered by the cutting-edge Intel® Core™ 5 120U processor, featuring 10 cores reaching up to 5.0 GHz with a 12 MB cache, this compact powerhouse handles demanding tasks with effortless speed and responsiveness. Enjoy seamless multitasking and lightning-fast application loading thanks to 8GB of DDR4 RAM and a speedy 512GB SSD.

Connectivity and Versatility

- Dual HDMI and one VGA port offer flexible multi-display setups.
- Ample USB ports (2x USB 3.0, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C) ensure all your peripherals are accommodated.
- Integrated 1000 Mbps Ethernet and dual-band Wi-Fi 5 (802.11ac) provide reliable and high-speed network connections.
- Dedicated audio jacks for speaker out and mic in, including front options, simplify audio integration.

Built for Reliability and Ease of Use

The robust steel and ABS plastic housing in a sleek black powder-coated finish provides durability. Operating within a 0°C ~ 35°C temperature range and 20% ~ 80% non-condensing humidity, it's designed for diverse environments. The included Thinvent® keyboard and mouse set, along with a 2-meter 12V 7A adapter, makes setup a breeze.

Intelligent Operating System

Comes pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, offering a secure, stable, and streamlined experience optimized for commercial and industrial applications.

Compact Powerhouse Dimensions

- 198mm x 187mm x 40mm

Certifications for Peace of Mind

- BIS
- RoHS
- ISO



Specifications

PROCESSING

| | |
|-----------------|--------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 4 GB |
| SSD Storage | 512 GB |

DISPLAY

| | |
|------|---|
| HDMI | 2 |
| VGA | 1 |

AUDIO

| | |
|-------------------|---|
| Speaker Out | 1 |
| Mic In | 1 |
| Front Speaker Out | 1 |
| Front Mic In | 1 |

CONNECTIVITY

| | |
|---------------|---|
| USB 3.0 | 2 |
| USB 2.0 | 2 |
| Front USB 2.0 | 4 |
| Front USB C | 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 | 1.74kg, 1.74kg |

ACCESSORIES

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

OPERATING SYSTEM

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

Ordering Information

| PRODUCT CODE | |
|--|--|
| Aero-i5_14-[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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