



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

8GB DDR4 RAM

128GB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-15_14-8-M128-12_5-X-11V-KM



Unleash Enterprise Power in a Mini Footprint.

Experience robust performance and unwavering reliability with the Thinvent® Aero Mini PC. Engineered for demanding environments, this compact powerhouse delivers exceptional speed and efficiency in a durable, space-saving design.

Unrivaled Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a 12 MB cache, it handles intensive tasks with ease.
- Conquer multitasking with a massive 64GB DDR4 RAM, ensuring seamless operation for all your applications.
- Enjoy lightning-fast system responsiveness and quick application loading from the 128GB SSD.

Connectivity and Security

- Designed for secure, wired environments, the Aero Mini PC comes without WiFi, focusing on stable Gigabit Ethernet connectivity (1000 Mbps).
- Abundant I/O ports include 2x HDMI, 1x VGA for versatile multi-monitor display options, 2x USB 3.0, 6x USB 2.0 (4 front), and 1x front USB C for extensive peripheral support.

- Dedicated audio ports provide clear speaker out and mic in.

Enterprise-Grade Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, guaranteeing long-term support, enhanced security, and specialized industrial capabilities.

Ready to Deploy

- Comes complete with a Thinvent® Keyboard and Mouse set, ensuring you're ready to operate right out of the box.
- The robust steel and ABS plastic housing, finished in sleek powder-coated black, measures just 198mm x 187mm x 40mm.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance for a range of operating temperatures (0°C ~ 35°C) and humidity (20% ~ 80% RH, non-condensing).

Power Supply

- Utilizes a 12V 7A DC adapter with a 2-metre cable, accepting 100~275V AC input for reliable power.



Specifications

PROCESSING

| | |
|-----------------|--------|
| Generation | 14th |
| Series | i5 |
| Processor Brand | Intel |
| Processor Model | 120U |
| Cores | 10 |
| Max Frequency | 5 GHz |
| Cache | 12 MB |
| Main Memory | 8 GB |
| SSD Storage | 128 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 |
|----------|-----------|

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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