

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM

256GB SSD

Dual Band WiFi

Ubuntu Linux

SKU: AERO-CU5_14L-32_5-M256-12_5-M-U-0



Power your vision, without the bulk. The Thinvent® Aero Mini PC is your compact engine for intelligent digital applications, delivering robust performance wherever you need it most. This unassuming powerhouse is engineered to thrive in dynamic environments, from retail kiosks to industrial control panels.

Built for business and industry

Unleash the potential of next-generation Intel® processing in a remarkably small footprint. The Aero Mini PC is built to handle demanding commercial software, multi-tasking with ease to keep your operations running smoothly. Its fanless, durable design ensures silent, reliable operation 24/7, even in challenging conditions.

Seamless connectivity, limitless applications

- Effortlessly integrate into any network with dual Gigabit Ethernet ports for ultimate reliability.

- Connect to a full suite of peripherals and displays via its comprehensive array of ports.
- Deploy secure, custom solutions instantly with the pre-installed Ubuntu Linux operating system.

Your reliable partner for a connected world

From driving digital signage in a bustling hotel lobby to managing point-of-sale systems in a café, the Aero Mini PC is the versatile, professional-grade computer you can install and forget. It's the smart, streamlined foundation for your most important projects.



Specifications

PROCESSING

| | |
|-----------------|---------|
| Generation | 14th |
| Series | Ultra 5 |
| Processor Brand | Intel |
| Processor Model | 125U |
| Cores | 12 |
| Max Frequency | 4.3 GHz |
| Cache | 12 MB |
| Main Memory | 32 GB |
| SSD Storage | 256 GB |

DISPLAY

| | |
|----------|---|
| HDMI 2.0 | 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 |
| Ethernet Ports | 2 |
| 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 | 1.62kg, 1.62kg |

OPERATING SYSTEM

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

Ordering Information

| PRODUCT CODE | | | |
|--|---|-------------------------|--|
| Aero-cu5_14L-[RAM]-[SSD]-12_5-[Wireless]-[OS]-[Accessories] | | | |
| RAM | 8_5 = 8GB DDR5 | 16_5 = 16GB DDR5 | 32_5 = 32GB DDR5 |
| SSD | m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB | | m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB |
| Wireless | m = Dual Band WiFi | | X = No WiFi |
| OS | DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux | | W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux |
| Accessories | 0 = None MK = Mechanical Keyboard | | KM = Keyboard and Mouse set Mo = Wired Optical Scroll Mouse |

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