



Thinvent Aero Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

8GB DDR5 RAM

32GB SSD

No WiFi

DOS

SKU: AERO-CU5_14L-8_5-M32-12_5-X-DOS-0



Engineered for the Core of Your Operation

Meet the Thinvent® Aero Mini PC, the compact powerhouse built to drive your essential industrial processes. Designed for reliability and seamless integration, it delivers robust performance right where you need it most.

Unwavering Reliability for Demanding Environments

- Forgoes complex wireless systems for ultimate stability in sensitive or secure installations.
- Its rugged, industrial-grade construction ensures consistent operation in a wide range of conditions.
- Dual Gigabit Ethernet ports provide dependable, high-speed wired connectivity for critical network tasks.

Compact Power, Maximum Productivity

- Harness efficient processing power to run digital signage, control systems, or point-of-sale terminals smoothly.

- Its remarkably small footprint saves invaluable space in control cabinets, kiosks, or behind monitors.
- Extensive front and rear connectivity allows for straightforward setup with a vast array of peripherals and displays.

Simplify and Secure Your Digital Infrastructure

- The included DOS environment offers a clean slate for installing your specialised, proprietary, or legacy software.
- By focusing on core, wired connectivity, it reduces potential network vulnerabilities for a more secure setup.
- Ready to integrate and built to last, it's the straightforward, dependable computing solution for focused industrial applications.



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 | 8 GB |
| SSD Storage | 32 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 |

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 | FreeDOS |
|------------------|---------|

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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