



Thinvent Aero Mini PC

Intel Core Ultra 5 125U processor

12 core, up to 4.3 GHz, 12 MB cache

Dual LAN

32GB DDR5 RAM

512GB SSD

No WiFi

Without OS

SKU: AERO-CU5_14L-32_5-M512-12_5-X-W_OS-0



Engineer the Unseen: Power and Precision in a Compact Frame.

Unleash Next-Generation Performance for Demanding Industrial Applications

Meet the Thinvent® Aero Mini PC, where robust, next-generation computing meets an exceptionally compact and durable design. Built for environments where reliability is non-negotiable, this powerful unit delivers seamless performance for critical tasks without the bulk of a traditional desktop.

Ideal For

- Digital signage and interactive kiosks requiring stable, always-on operation.
- Industrial automation and control systems where dual Ethernet ensures steadfast network connectivity.
- Secure, dedicated computing environments in laboratories, manufacturing, and logistics.

- Space-constrained installations that demand serious processing power for data acquisition and machine interfacing.

Why Choose the Aero Mini PC?

Its rugged steel construction is engineered for longevity in challenging conditions, while the generous array of front and rear ports offers unparalleled connectivity for peripherals and displays. Free from a pre-installed operating system, it provides the ultimate blank canvas for your specialised software, ensuring a clean, tailored, and secure setup from day one. This is not just a computer; it's a dependable, high-performance engine for your most important industrial processes.



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	512 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	Without OS
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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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