



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 (2 x 16GB)

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-CU5_14L-16_5_16_5-M512-12_5-X-11V-0



Unleash Industrial Efficiency, Compact and Connected.

Engineered for seamless integration into demanding environments, the Thinvent® Aero Mini PC is your steadfast partner for digital signage, kiosk management, and control room operations. It delivers reliable, fanless performance where it matters most.

Why the Aero Mini PC is your smart choice

- Dependable 24/7 operation: Its robust, fanless design ensures silent and reliable performance in tight spaces, from retail floors to factory settings.
- Simplified network deployment: Dual Gigabit Ethernet ports provide flexible and stable wired connectivity, perfect for secure point-of-sale systems or networked monitoring stations.

- Ready for work out of the box: Comes with a dedicated industrial Windows 11 IoT platform pre-installed, offering long-term stability and security for your critical applications.
- Versatile peripheral support: A wealth of front and rear ports allows you to connect all essential displays, interfaces, and legacy devices with ease.
- Built to endure: A rugged steel casing and wide operating tolerances mean it thrives in environments where standard computers would falter.

Ideal Applications

From driving vivid digital menus to powering interactive information points, this mini PC is the robust, no-fuss computing core your project needs.



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	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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	32_5_32_5 = 64GB DDR5 RAM (2 x 32GB)
	16_5_16_5 = 32GB DDR5 RAM (2 x 16GB)			
SSD	m128 = 128GB	m256 = 256GB		
	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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