



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

512GB SSD

No WiFi

Windows 11 Pro

SKU: AERO-CU5_14L-8_5-M512-12_5-X-11P-0



Unleash robust computing in a compact footprint. The Thinvent Aero Mini PC is engineered for reliability and performance in demanding industrial environments, from the factory floor to the digital signage network.

Built for demanding environments

- Engineered for 24/7 operation in spaces where reliability is non-negotiable.
- Its rugged steel housing and fanless design ensure silent, durable performance free from dust and failure.
- Operates flawlessly in varied temperatures, making it ideal for automation and control cabinets.

Power where you need it

- Tackle complex industrial software and multi-tasking with smooth, responsive processing power.
- Dual Gigabit Ethernet ports provide critical network redundancy and fast, stable data transfer for machine communication.

- Ample front-panel connectivity allows for easy access to peripherals like barcode scanners, HMIs, and legacy devices.

Simplify deployment and management

- Its compact size saves crucial space in control panels and kiosks, simplifying installation.
- Pre-installed Windows 11 Pro offers enhanced security features and seamless integration into your existing business infrastructure.
- A trusted, certified solution designed for long-term value and minimal downtime in your operational technology stack.



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	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 Pro
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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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