



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)

1TB SSD

No WiFi

DOS

SKU: AERO-CU5_14L-16_5_16_5-M1024-12_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	32 GB
SSD Storage	1024 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
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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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