



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 Pro

SKU: AERO-I5_14-16-M512-12_5-X-11P-0



Unleash unparalleled performance in a mini footprint.

Introducing the Thinvent® Aero Mini PC

Experience desktop power without the bulk. Engineered for professionals and demanding environments, this compact powerhouse delivers exceptional speed and reliability, all running on Windows 11 Pro.

Core Performance

- Harness the incredible power of a 10-core Intel® Core™ 5 120U processor, boosting frequencies up to 5.0 GHz with a generous 12 MB cache for seamless multitasking and rapid data processing.

Memory and Storage

- Experience unparalleled multitasking with a colossal 64GB DDR4 RAM, ensuring applications run smoothly even under heavy loads.
- Benefit from lightning-fast boot-ups and application loading thanks to the speedy 128GB SSD.

Connectivity and Displays

- Drive multiple displays with two HDMI ports and one VGA port, perfect for expanded workstations.
- Connect all your peripherals with a comprehensive array of USB ports, including 2x USB 3.0, 6x USB 2.0 (2 rear, 4 front), and a versatile front USB C port.

- Enjoy rock-solid, high-speed networking through its 1000 Mbps Ethernet port, optimized for environments requiring maximum stability and security without wireless vulnerabilities.
- Versatile audio options with dedicated front and rear speaker out and mic in ports.

Operating System and Design

- Pre-installed with Windows 11 Pro, you get advanced security, productivity features, and a modern user experience.
- Its ultra-compact 198mm x 187mm x 40mm design, encased in durable powder-coated steel and ABS plastic, effortlessly integrates into any workspace.

Reliability and Certification

- Built for continuous operation (0°C ~ 35°C, 20% ~ 80% RH non-condensing) and backed by BIS, RoHS, and ISO certifications for quality and safety.

Power Efficiency

- Powered by an efficient 12V 7A adapter with wide 100~275V AC input compatibility and a 2-meter cable for flexible placement.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Front USB 2.0	4
Front USB C	1

NETWORKING

Ethernet	1000 Mbps
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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	1.23kg, 1.23kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro
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Ordering Information

PRODUCT CODE				
Aero-i5_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		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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