



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-15_14-4-M512-12_5-X-11V-KM



Unleash Enterprise Power in a Mini Footprint.

Experience robust performance and unwavering reliability with the Thinvent® Aero Mini PC. Engineered for demanding environments, this compact powerhouse delivers exceptional speed and efficiency in a durable, space-saving design.

Unrivaled Performance

- Powered by the Intel® Core™ 5 120U processor, featuring 10 cores and clock speeds up to 5.0 GHz with a 12 MB cache, it handles intensive tasks with ease.
- Conquer multitasking with a massive 64GB DDR4 RAM, ensuring seamless operation for all your applications.
- Enjoy lightning-fast system responsiveness and quick application loading from the 128GB SSD.

Connectivity and Security

- Designed for secure, wired environments, the Aero Mini PC comes without WiFi, focusing on stable Gigabit Ethernet connectivity (1000 Mbps).
- Abundant I/O ports include 2x HDMI, 1x VGA for versatile multi-monitor display options, 2x USB 3.0, 6x USB 2.0 (4 front), and 1x front USB C for extensive peripheral support.

- Dedicated audio ports provide clear speaker out and mic in.

Enterprise-Grade Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, guaranteeing long-term support, enhanced security, and specialized industrial capabilities.

Ready to Deploy

- Comes complete with a Thinvent® Keyboard and Mouse set, ensuring you're ready to operate right out of the box.
- The robust steel and ABS plastic housing, finished in sleek powder-coated black, measures just 198mm x 187mm x 40mm.
- Certified with BIS, RoHS, and ISO, ensuring quality and compliance for a range of operating temperatures (0°C ~ 35°C) and humidity (20% ~ 80% RH, non-condensing).

Power Supply

- Utilizes a 12V 7A DC adapter with a 2-metre cable, accepting 100~275V AC input for reliable power.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	4 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	1.74kg, 1.74kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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