



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-I5_12-16_16-M512-12_7-M-11V-KM



Unleash Mighty Performance in a Mini Footprint.

Introducing the Thinvent® Aero Mini PC, a powerhouse engineered for peak efficiency and uncompromising performance in an ultra-compact design. Experience desktop-grade computing without the bulk, perfect for any professional environment or dedicated application.

Unrivalled Performance

- At its heart lies the Intel® Core™ i5-1250P processor, featuring 12 cores, speeds up to 4.4 GHz, and a substantial 12 MB cache for seamless multitasking and demanding workloads.
- With 16GB DDR4 RAM, enjoy lightning-fast responsiveness and effortlessly run multiple applications simultaneously.
- A rapid 512GB SSD ensures instant boot-ups and quick access to all your critical data.

Exceptional Connectivity

- Stay connected with an extensive array of ports, including 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a versatile front USB C.

- Dual display support is provided via HDMI and VGA, while dedicated speaker out and mic in jacks, plus front audio ports, offer clear audio versatility.
- Benefit from gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust, high-speed network access.

Optimized Experience

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers enhanced security, stability, and long-term support, ideal for specialized applications.
- Its sleek, powder-coated black steel and ABS housing measures just 198mm x 187mm x 40mm, fitting discreetly into any workspace.
- Ready to go right out of the box with the included Thinvent® Keyboard and Mouse set.

Built for Reliability

- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental compliance.
- Operates efficiently from 0°C to 35°C, powered by a dependable 12V 7A adapter with a 2-meter cable for flexible placement.



Thinvent Aero Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	512 GB

DISPLAY

HDMI	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

NETWORKING

Ethernet	1000 Mbps
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	2.23kg, 2.23kg

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_12-[RAM]-[SSD]-12_10-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
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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