



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)

2TB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I5_12-16_16-M2048-12_7-X-11V-0



Unleash compact power and unwavering reliability for your critical operations.

The Thinvent® Aero Mini PC redefines performance in a small footprint, engineered for unwavering stability and power where it matters most.

Performance

Powered by an Intel® Core™ i5-1250P processor featuring 12 cores and a turbo frequency of up to 4.4 GHz with 12 MB cache, coupled with 16GB DDR4 RAM, this mini PC effortlessly handles intensive tasks and seamless multitasking. Experience lightning-fast boot-ups and application loading thanks to the responsive 128GB SSD.

Connectivity & System

Connect all your essential peripherals with an impressive array of ports

- Two USB 3.2, six USB 2.0 (four front, two rear), and one front USB-C.

Dual display support through HDMI and VGA offers flexible setup options. Gigabit Ethernet provides ultra-fast, secure wired network access, ideal for environments requiring stable, dedicated connections without WiFi. Running on Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, the Aero Mini PC delivers unparalleled long-term stability and enhanced security for dedicated applications.

Durability & Design

Its ultra-compact 198mm x 187mm x 40mm design, encased in durable steel and ABS plastic with a professional powder-coated black finish, is built to last in demanding settings. Designed for consistent operation between 0°C and 35°C, it's a robust solution for diverse environments.

Certifications & Power

Certified with BIS, RoHS, and ISO, it meets stringent quality and environmental standards. The robust 12V 7A adapter with a 2-metre cable and wide 100~275V AC input ensures reliable power delivery across various operating conditions.

Choose the Thinvent® Aero Mini PC for a powerful, secure, and compact solution that won't compromise on performance or reliability.



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	2048 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
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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	1.71kg, 1.71kg

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_7-[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	m1024 = 1TB	
	m512 = 512GB	S32 = 32GB MLC	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		
	110 = Windows 11 Professional	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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