



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

No WiFi

Ubuntu Linux

SKU: AERO-I5_12-16_16-M512-12_5-X-U-0



Unleash mighty performance in a minuscule package.

Introducing the Thinvent® Aero Mini PC: Your compact powerhouse for demanding tasks. Engineered for stability and performance, this mini PC redefines efficiency in a footprint that fits virtually anywhere.

Unrivalled Processing Power

At its core lies the Intel® Core™ i5-1250P processor, a 12-core marvel reaching speeds up to 4.4 GHz with 12 MB cache. Experience seamless multitasking and rapid application execution, backed by a robust 16GB DDR4 RAM. The 32GB MLC SSD ensures lightning-fast boot times and exceptional durability for core OS operations, all running on the stable and secure Ubuntu Linux 24.04 LTS.

Comprehensive Connectivity

Despite its small size, the Aero Mini PC offers an extensive array of ports to meet all your peripheral needs

- 2x USB 3.2 ports for high-speed data transfer
- 6x USB 2.0 ports (2 rear, 4 front) for versatile peripheral connection

- 1x Front USB-C for modern device compatibility
- 1x HDMI and 1x VGA port for flexible dual-display setups
- Dedicated Speaker Out, Front Speaker Out, Mic In, and Front Mic In for crystal-clear audio
- 1x 1000 Mbps Ethernet port for reliable, high-speed wired network access (No WiFi)

Robust Design and Reliability

Crafted from durable steel and ABS plastic with a sleek, powder-coated black finish, this mini PC is built to last. Its ultra-compact dimensions of 198mm × 187mm × 40mm make it ideal for space-constrained environments. Operating reliably from 0°C to 35°C and 20% to 80% non-condensing humidity, it's certified with BIS, RoHS, and ISO standards, ensuring quality and safety. Powered by a 12V 7A adapter with a wide 100~275V AC input and a 2-metre cable, the Aero Mini PC is ready to integrate effortlessly into your setup.



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
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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	1.62kg, 1.62kg

OPERATING SYSTEM

Operating System	Ubuntu Linux 24.04 LTS
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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	
	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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