



Thinvent Aero Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

512GB SSD

Dual Band WiFi

Without OS

SKU: AERO-I5_12H-32_32-M512-12_5-M-W_OS-0



Tiny box, gigantic productivity.

Turning a desk into a command centre requires a machine that disappears from sight while delivering relentless power. The Thinvent Aero Mini PC is built exactly for that purpose – harnessing a modern 12th Gen Intel Core i5 processor to breeze through heavy multitasking, demanding spreadsheets, video editing timelines, and even light coding. Your team gets workstation-calibre responsiveness in the whisper-quiet, desktop space-saving footprint of a slim 198 x 187 mm chassis that fits neatly behind a monitor or on a shelf.

- Upgrade customer experience at receptionist desks, lecture halls, digital signage kiosks or industrial terminals with snappy boot-ups and instantaneous app launches.
- Future-proof the business – its compact, fan-cooled design and modular PCIe connectivity leave clear headroom to upgrade peripherals, storage and later processors without starting from scratch.

- Ensure a confident return on every deployment thanks to generous connectivity: six USB ports, HDMI loop-out for two displays, a dual-band Wi-Fi/D LAN dropout and a convenient front USB-C port for current peripherals.
- Beat facility downtime caused by bulky, heat-generating towers.

Environments where reliability matters should never compromise on space or budget. Hardened against humidity from 20% to 80% and certified to BIS+ISO 9001 industry standards, the Aero Mini PC overcomes silent digital kiosks to exacting heavy manufacturing floorlines without costly repurchasing risk. The modern DDR standard also houses a critical 8-thread performance jump. An installation prepared for an OS leaves endless room for agency-oriented reels.

Claim your commercial real estate worth rediscovering compact evolution over excess workstretch. Your people get value in their preferred fit seamlessly onto flat desk meeting their operating density requires everything remote teleworker work demands from submini field comfort leaving expansions controlled before visual obstruction decides change



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 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	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	Without OS
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Ordering Information

PRODUCT CODE

Aero-i5_12H-[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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