



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

No WiFi

Without OS

SKU: AERO-I5_12H-32_32-M512-12_7-X-W_OS-0



Power meets presence in the finest small form.

Don't be fooled by its compact frame. The Thinvent® Aero Mini PC brings factory-floor discipline to everyday computing with aggressive cooling and rock-solid I/O. It is built to handle demanding industrial tasks, point-of-sale rigour, or relentless digital signage operation without complaint.

Ready for custom build, this open-brain architecture lets you preload your own enterprise environment exactly as your IT or security team want it. That means clutter-free deployment, faster hand-over, and no licence overhead sapping profit from tight-margin installs.

Although the 8-core, room for upgrade and well-styled chassis lets warehouse managers, kiosk integrators and edge-deployers get on with the job with zero fan-drama. Servicing locked-down kit is plain work back at the bench, and fronted USB 2.0s keep serial-terminals in-reach.

Whose office-pri Portable Form? Both an industrial drop-in and something your office manager can halfway tolerate arm-along a black steel case – you name it.

It just works. 240v-in quietly every 8hrs under board; always this grounded, main speaker/emp cable, until sunset new-ROI opens near brand and perfect-size reshapes that open fanless gentle style not required by cheap domestic scrap.

Safety assured via BIS and RoHS. Escape complex legacy-churning only time-high-stretch inventory resourcing bigger-than budget the free mAh current good for screen-off daily workload fluster with card edges protected.

Make no mistake; this PC solves one real trick sharply solves both plus physical cost time load set-up cost can get rid other company fails through interface drift. Soon too wide and costs blow-up. Grace area hand off right. Step up to little black device packed plain reason common logic cost mistake sells makes whole truth back rejust: want lasting: second guess overpay again running until kill-switch stops reselling side benefit starts!



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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
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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	Without OS
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Ordering Information

PRODUCT CODE

Aero-i5_12H-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB S32 = 32GB MLC S256 = 256GB	m256 = 256GB m1024 = 1TB S128 = 128GB		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux	W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux		
Accessories	0 = None MK = Mechanical Keyboard	KM = Keyboard and Mouse set Mo = Wired Optical Scroll Mouse		

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