Thinvent Aero Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

8GB DDR4 RAM

32GB SSD

Dual Band WiFi

Windows 11 Pro

SKU: AERO-I5_12H-8-S32T-12_7-M-11P-0



From boardroom to back office, power your business with zero compromises.

Stop making sacrifices on size or speed. The Thinvent Aero Mini PC proves that true industrial capability comes in a compact, professional package. It's the desktop you put where other computers simply can't fit – think crowded factory floors, retail checkouts sharing counter space, or a quiet corner of a medical practice.

Built for demanding, prolonged use, the all-new Intel Core i5 processor rips through intensive inventory databases, billing systems, or constant video streaming for digital signage. Your teams will feel zero frustration – applications load fast and can switch on a dime without performance headaches.

Don't let its modest footprint fool you. Finished in hardened powder coat with durable steel-ABS housing, it's physically constructed against bumps, heat, and the rough-and-tumble of British commercial sites. Keep the fans quiet and the operations constant; data flows freely with prolific dual-band WiFi, ensuring management never loses visibility.

Best of all, Windows 11 Pro reinforces real compliance for regulatory commercial use; encryption, rollout control and unified device administration make IT managers genuinely relaxed from day one. Physical links easily reach for old HMIs and new monitorarms equally – and USB charges peripherals for card readers, barcode drones or collaboration webcams directly overhead.

The Thinvent Aero shrinks valuable footprint waste. Downtime isn't part of your business vocabulary, so make a practical move for elegance – you invest for decades uptime, not specifications.

Get capable. Get simple. Get durable. Choose the straightforward throat for any productive cold environment now.







Thinvent Aero Mini PC

Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	8 GB
SSD Storage	32 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	1.71kg, 1.71kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 Pro

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Ordering Information

PRODUCT CODE

`Aero-i5_12H-[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	
	m2048 = 2TB		**S32** = 32GB MLC	
	S32T = 32GB		**S128** = 128GB	
	S256 = 256GB		**h1024** = 1TB HDD	
Wireless	**m** = Dual Band WiFi		**X** = No WiFi	
OS	**DOS** = DOS		**W_OS** = Without OS	
	11V = Windows 11 IoT Value		**11P** = Windows 11 Pro	
	11O = Windows 11 Professional		**Thinux** = Thinux™ 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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