



Thinvent Aero Mini PC

Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-I5_12H-16_16-S128-12_7-M-11V-KM



Power without the footprint

Harness the performance of a 12th Gen Intel Core i5 processor in a chassis barely larger than a hardback book. The Thinvent Aero Mini PC delivers desktop-grade computing for space-constrained environments – think retail kiosks, digital signage, factory-floor control panels, or busy reception desks. You get smooth multitasking and rapid boot times, so your applications run without lag, and your team stays productive.

Ready to work from the moment you open the box

- Complete with Thinvent keyboard and mouse, plus Windows 11 IoT Enterprise – no assembly, no separate OS purchase, just plug in and go
- Dual-band Wi-Fi and Gigabit Ethernet give you flexible networking for cloud-connected operations or isolated local networks

- Compact steel housing with a tough powder-coated finish stands up to knocks and dust in light industrial or high-traffic public spaces

Built for the long haul, not the landfill

- RoHS and ISO certified, ensuring responsible manufacturing and reliable operation in temperatures from 0°C to 35°C
- 12V DC power keeps energy consumption low, perfect for always-on applications like wayfinding terminals or back-office workstations
- Multiple USB ports and a USB-C front connection make it simple to attach a barcode scanner, receipt printer, or touchscreen without extra hubs

Why choose Thinvent? Because we design for real-world scenarios where space, reliability, and immediate usability matter. The Aero Mini PC gives you enterprise-grade power in a footprint that fits anywhere – and it's ready to deliver, day in, day out.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	12450H
Cores	8
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	32 GB
SSD Storage	128 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	2.23kg, 2.23kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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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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