

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

32GB DDR4 RAM

512GB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-32-M512-12_7-M-11V-KM



Unleash big performance from a tiny footprint.

Built to tackle demanding industrial applications without taking up valuable space. The Thinvent® Aero Mini PC delivers the robust reliability you need in environments where every second and every square inch counts.

Perfect for your critical operations

- Drive complex digital signage and interactive kiosks with seamless visuals.
- Act as the powerful brain for automation systems and control panels.
- Provide consistent, high-speed data processing for logistics and point-of-sale terminals.
- Enable smooth multi-tasking in office and light CAD environments with its efficient core architecture.

Engineered for endurance

- Its compact, rugged steel chassis is designed to thrive in challenging conditions.
- Dual Gigabit LAN ports ensure always-on, reliable network connectivity for critical communications.
- Comes fully equipped with a keyboard and mouse, ready to deploy straight out of the box.
- Pre-installed with a stable, long-term support Windows operating system for minimal downtime and simplified management.

Choose the Thinvent® Aero Mini PC. Where formidable power meets unshakeable reliability in a space-saving design, built for the long run.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 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
Front USB 2.0	4
Front USB C	1
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
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-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]				
RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	64 = 64GB DDR4			
SSD	m128 = 128GB		m256 = 256GB	
	m32 = 32GB		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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