



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-16-M512-12_5-M-DOS-KM



Unleash Big Performance in a Small Footprint

Uncompromising power for demanding industrial tasks. The Thinvent® Aero Mini PC delivers the robust performance you need, wrapped in a rugged, space-saving design built for the long haul.

Engineered for Resilience

This isn't just a compact computer; it's a dedicated workhorse for your operational environment. Its durable steel and ABS construction shrugs off the knocks and vibrations of the factory floor, workshop, or digital signage cabinet. Dual Gigabit Ethernet ports ensure unwavering network reliability for critical communications and data transfer, keeping your processes connected and your business flowing.

Power Where You Need It

Tackle complex automation, detailed design work, or multi-screen digital signage with effortless speed. The advanced processing power handles resource-intensive applications smoothly, minimising lag and maximising productivity. With versatile connectivity options front and centre, integrating peripherals and legacy equipment is straightforward and clutter-free.

Simplify Your Setup

Ready to work straight out of the box, it arrives complete with a keyboard and mouse set for immediate deployment. Its mini-PC form factor liberates valuable space, allowing for cleaner, more organised workstations or discreet installation in tight spaces. Choose the Thinvent® Aero for a reliable, powerful computing solution that focuses on your business, not on taking up room.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	16 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	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	2.14kg, 2.14kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	FreeDOS
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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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