



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

Without OS

SKU: AERO-I7_12L-4-M512-12_7-M-W_OS-0



Engineer the Edge in Compact Power: The Thinvent Aero Mini PC.

Ready for Any Mission

This industrial-grade Mini PC is engineered for relentless performance in demanding environments. Its robust build and intelligent design tackle the toughest operational challenges, delivering unwavering reliability where it matters most.

Why This Mini PC is Your Operational Advantage

- Uncompromising power in a compact, rugged form factor, built to endure the rigours of industrial settings.
- Dual Gigabit LAN ports ensure rock-solid, high-speed network connectivity for critical data transfer and control.

- Versatile connectivity options allow seamless integration with a vast array of legacy and modern peripherals and displays.
- Operates reliably in a wide range of temperatures and conditions, providing consistent performance day in, day out.
- A certified, fanless design minimises dust intrusion and eliminates mechanical failure points for ultimate dependability.

Ideal for Demanding Applications

Deploy the Aero Mini PC as the silent, powerful heart of your digital signage, factory automation, thin client, or surveillance systems. It's the robust, scalable computing solution that just works, empowering your operations without compromise.



Specifications

PROCESSING

Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	4 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	1.71kg, 1.71kg

OPERATING SYSTEM

Operating System	Without OS
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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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