



Thinvent Aero Mini PC

Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

256GB SSD

Dual Band WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-16-M256-12_7-M-W_OS-KM



Engineered for Endurance: The Industrial-Grade Mini PC That Won't Let You Down.

Built for demanding environments and relentless workloads, the Thinvent® Aero Mini PC delivers unwavering performance where standard computers simply cannot. This compact powerhouse is your reliable partner for mission-critical operations, designed to thrive in the real world.

Unmatched Reliability for Your Business

- Experience rock-solid stability for digital signage, factory automation, and kiosk systems, keeping your operations running smoothly 24/7.
- Its robust, fanless steel construction silently withstands dust, vibration, and wide temperature fluctuations, ensuring durability in warehouses, workshops, and retail spaces.

- Dual Gigabit Ethernet ports provide essential network redundancy and flexibility for secure, high-speed data transfer and industrial networking tasks.
- Enjoy the freedom to install your preferred operating system, creating a perfectly tailored solution for your specific software and security requirements.

Why Choose the Aero Mini PC?

Move beyond consumer-grade hardware. This is a purpose-built industrial computer that offers superior longevity and dependability. It arrives ready to integrate with your choice of peripherals, providing a clean, professional, and incredibly reliable computing core for any business application. Invest in performance that endures.



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	256 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	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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