



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

No WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-I7_12L-16-S256-12_7-X-11V-KM



Powerhouse Performance in a Compact Package: Unleash Your Industrial Edge.

Engineered for demanding environments, the Thinvent® Aero Mini PC delivers robust and reliable computing where it matters most. This industrial-grade powerhouse is designed to drive your operations forward without compromise.

Built for Reliability

- Engineered for 24/7 operation in diverse industrial settings, from factory floors to digital signage hubs.
- Its rugged, compact steel chassis ensures durability and saves valuable space in any installation.
- Dual Gigabit LAN ports provide critical network redundancy and stable connectivity for automation and control systems.

Ready for Action

- Arrives fully equipped with Windows 11 IoT and a keyboard & mouse set for immediate deployment.
- Versatile connectivity supports a wide array of peripherals, from barcode scanners to specialised industrial equipment.
- Ideal for powering kiosks, thin clients, point-of-sale systems, and embedded automation applications.

Simplify your industrial computing with a solution built for endurance. The Aero Mini PC is your dependable partner for seamless, continuous operation.



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

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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