

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

Dual LAN

32GB DDR4 RAM

512GB SSD

Dual Band WiFi

Without OS

Thinvent Keyboard and Mouse set

SKU: AERO-I3_12L-32-M512-12_7-M-W_OS-KM



Unlock big potential from a tiny powerhouse.

The Thinvent® Aero Mini PC is engineered for resilience and performance in demanding environments. Its compact, rugged design is built to thrive where space is limited and reliability is non-negotiable, making it the perfect industrial computing solution.

Ideal for

- Digital signage and information kiosks in retail or public spaces.
- A central control unit for smart factory machinery and production lines.
- A dependable server for point-of-sale systems or hospitality management.
- Powering thin client setups and virtual desktop infrastructures in offices.

Why choose the Aero Mini PC

- Robust and reliable, designed for continuous 24/7 operation in commercial settings.
- Remarkably space-saving, easily mounted or tucked away to maximise your workspace.
- Energy-efficient, helping to reduce operational costs and environmental impact.
- Flexible connectivity with dual LAN ports supports complex networking needs for seamless integration.

Build a smarter, more efficient operation. Choose the industrial-grade computing partner that works as hard as you do.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 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	2.20kg, 2.20kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Without OS
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Ordering Information

PRODUCT CODE	
Aero-i3_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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