



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I3_12-16_16-M512-12_7-X-11V-0



Unleash Unrivaled Performance in a Compact Powerhouse.

Introducing the Thinvent® Aero Mini PC, an engineering marvel designed for demanding commercial and industrial applications where reliability, speed, and security are paramount. This mini PC packs formidable power into an ultra-durable chassis, ensuring seamless operation in critical environments.

Core Performance

- Experience exceptional responsiveness with the Intel® Core™ i3-1215U processor, featuring 6 cores and a boost frequency up to 4.4 GHz, backed by a generous 10 MB cache.
- Multitask without limits thanks to an impressive 64GB DDR4 RAM, perfect for heavy workloads and virtualized environments.
- Enjoy rapid boot times and quick application loading from the integrated 128GB SSD, delivering consistent performance.

Operating System and Security

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers enhanced security, long-term support, and tailored stability for embedded and dedicated solutions.

- Prioritize unwavering connectivity with gigabit Ethernet, ensuring secure and stable wired network performance without wireless vulnerabilities.

Extensive Connectivity

- Connect all your peripherals with ease via 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, and 1x front USB C ports.
- Drive dual displays simultaneously with 1x HDMI and 1x VGA outputs.
- Integrated audio includes speaker out, mic in, front speaker out, and front mic in for comprehensive audio support.

Built to Last

- Housed in a robust steel and ABS plastic chassis with a professional black powder-coated finish, the Aero Mini PC is built for durability.
- Certified with BIS, RoHS, and ISO standards, guaranteeing quality and environmental compliance.
- Its ultra-compact 198mm × 187mm × 40mm dimensions ensure it fits discreetly into any setup.



Thinvent Aero Mini PC



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
USB 2.0	2
Front USB 2.0	4
Front USB C	1
RS485 Option	1

NETWORKING

Ethernet	1000 Mbps
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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	1.68kg, 1.68kg

OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
	32_32 = 64GB DDR4 RAM (2 x 32GB)	16_16 = 32GB DDR4 RAM (2 x 16GB)	8_8 = 16GB DDR4 RAM (2 x 8GB)	
SSD	m128 = 128GB		m256 = 256GB	
	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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