Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

32GB DDR4 RAM

256GB SSD

No WiFi

DOS

SKU: AERO-I3_12-32-S256-12_5-X-DOS-0

Thinvent® Aero Mini PC: Unrivaled Power, Uncompromised Control.

Elevate your productivity with the Thinvent® Aero Mini PC, a powerful yet compact solution designed for demanding tasks and secure environments. Its robust performance and extensive wired connectivity make it ideal for industrial control, point-of-sale systems, digital signage, or any application requiring steadfast reliability.

Core Performance That Delivers

- Experience swift multitasking and responsiveness with the Intel® Core™ i3-1215U processor, boasting 6 cores and turbo speeds up to 4.4 GHz for efficient operation, complemented by 10 MB of cache.
- Keep applications running smoothly with 8GB of high-speed DDR4 RAM.
- Benefit from rapid boot times and quick data access provided by the responsive 128GB SSD.

Extensive Connectivity and Build

- Connect dual displays via HDMI and VGA, and power all your peripherals with 2x USB 3.2, 6x USB 2.0 (4 conveniently front-mounted), and a front USB C port.
- Ensure stable, high-speed networking with a 1000 Mbps Ethernet port, perfect for secure, wired setups.
- Built for longevity, its durable steel and ABS plastic housing, finished in black powder coat, withstands tough environments while maintaining a sleek 198mm × 187mm × 40mm profile.
- Operate confidently with a wide 100~275V AC power input and an included 12V 7A adapter, featuring a 2-metre cable.
- Designed for challenging conditions, it operates reliably from 0°C to 35°C and 20% to 80% non-condensing humidity.
- Certified BIS, RoHS, and ISO, guaranteeing quality and compliance.

Your Secure, Customizable Platform

- Arriving with FreeDOS, the Aero Mini PC provides a clean, secure foundation, free from integrated WiFi, allowing you to install your preferred operating system or specialized software without unnecessary bloat or wireless vulnerabilities.

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

NETWORKING

Ethernet	1000 Mbps

POWER

DC Voltage	12 Volts
DC Current	5 Amps
Power Input	100~240 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	1.59kg, 1.59kg

OPERATING SYSTEM

Operating System	FreeDOS

Thinvent Aero Mini PC

Ordering Information

PRODUCT CODE

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