



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

Thinux Embedded Linux

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



Unleash Mighty Performance in a Mini Footprint.

Discover the Thinvent® Aero Mini PC, your powerhouse solution for efficient and reliable computing in a remarkably compact design. Engineered for demanding tasks, this mini PC leverages an Intel® Core™ i3-1215U processor with 6 cores, clocking up to 4.4 GHz and boasting a 10 MB cache, ensuring seamless multitasking and responsive performance. Paired with 8GB DDR4 RAM and a rapid 32GB MLC SSD, experience lightning-fast boot-ups and application loading, all while benefiting from the SSD's durability.

Powered by Thinvent® Thinux™ Embedded Linux, the Aero Mini PC offers a secure, stable, and purpose-built environment, ideal for focused applications and thin client deployments.

OS Features

- Seamless web browsing with Chromium and Mozilla Firefox.
- Robust remote access capabilities via RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH for efficient management.
- Centralized control through browser-based remote management and VNC shadowing.

- Comprehensive application support, including Java, Python, glibc for custom location apps, LibreOffice for productivity, and an integrated PDF viewer.
- Enhanced communication with a multimedia player supporting MPEG4 and SIP video/voice over IP.

Connectivity is extensive, featuring 1 HDMI and 1 VGA for dual display setups, along with dedicated speaker out and mic in ports on both the front and rear. With 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a versatile front USB C port, you have ample options for peripherals. A reliable 1000 Mbps Ethernet connection ensures stable, high-speed wired networking. Crafted with a durable steel and ABS housing, powder-coated in black, its 198mm × 187mm × 40mm dimensions make it incredibly space-efficient. Operating between 0°C and 35°C and compliant with BIS, RoHS, and ISO standards, the Thinvent® Aero Mini PC delivers powerful, secure, and reliable computing tailored for your needs.

Power

- Input: 100~275 Volts AC, 50~60 Hz, 1.5 Amps maximum, with a 2 Metre cable.



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	Thinvent® Thinux™ Embedded Linux
OS Features	Chromium and Mozilla Firefox browsers. RDP 10 (RemoteFX, H.264/AVC), Putty and SSH for remote display. Browser based remote management. VNC shadowing. Java, Python and glibc based location application support. LibreOffice and PDF viewer. Multimedia player with MPEG4 support. SIP video and voice over IP.

Ordering Information

PRODUCT CODE

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

RAM	4 = 4GB DDR4 32_32 = 64GB DDR4 RAM (2 x 32GB)	8 = 8GB DDR4 16_16 = 32GB DDR4 RAM (2 x 16GB)	16 = 16GB DDR4 8_8 = 16GB DDR4 RAM (2 x 8GB)	32 = 32GB DDR4
SSD	m128 = 128GB m512 = 512GB S32 = 32GB MLC S256 = 256GB	m256 = 256GB m1024 = 1TB S128 = 128GB		
Wireless	m = Dual Band WiFi	X = No WiFi		
OS	DOS = DOS 11V = Windows 11 IoT Value Thinix = Thinix™ Embedded Linux	W_OS = Without OS 11P = Windows 11 Pro U = Ubuntu Linux		
Accessories	0 = None MK = Mechanical Keyboard	KM = Keyboard and Mouse set Mo = Wired Optical Scroll Mouse		

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