



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

4GB DDR4 RAM

1TB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: AERO-I3_12-4-M1024-12_5-M-THINUX-0



Thinvent® Aero Mini PC: Unleash Compact Power for Uninterrupted Productivity.

Experience exceptional performance in an incredibly small footprint with the Thinvent® Aero Mini PC. Engineered for efficiency and reliability, this mini powerhouse is ideal for a wide range of applications, from office tasks to dedicated embedded solutions.

Performance at Your Fingertips

- Driven by the Intel® Core™ i3-1215U processor, featuring 6 cores and burst speeds up to 4.4 GHz for lightning-fast processing and efficient multitasking.
- Seamlessly switch between applications with 8GB DDR4 RAM.
- Enjoy ultra-fast boot-ups and rapid application loading thanks to the responsive 128GB SSD.

Thinvent® Thinix™ Embedded Linux Advantage

- Navigate with ease using pre-installed Chromium and Mozilla Firefox browsers.
- Benefit from robust remote management capabilities including RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing.
- Support for Java, Python, and glibc-based applications empowers custom solutions.

- Stay productive with LibreOffice and a PDF viewer, and entertained with a multimedia player with MPEG4 support.
- Integrated SIP video and voice over IP ensures seamless communication.

Comprehensive Connectivity and Robust Design

- Stay connected with dual-band Wi-Fi 5 (802.11ac) and a blazing-fast 1000 Mbps Ethernet port.
- Expand your setup with 2x USB 3.2, 6x USB 2.0 (4 front), 1x front USB-C, HDMI, and VGA for versatile dual display support, plus dedicated front and rear audio jacks.
- Its ultra-compact 198mm x 187mm x 40mm dimensions, housed in a durable powder-coated steel and ABS plastic black chassis, fit perfectly into any workspace.
- Certified with BIS, RoHS, and ISO for quality and environmental compliance.

Powering your system is an energy-efficient 12V 7A adapter, capable of handling broad AC inputs from 100~275 Volts, ensuring stable operation in diverse environments.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 MB
Main Memory	4 GB
SSD Storage	1024 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

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	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 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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