



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

32GB DDR4 RAM (2 x 16GB)

512GB SSD

No WiFi

Thinux Embedded Linux

SKU: AERO-I5_12-16_16-M512-12_7-X-THINUX-0



Unleash unparalleled performance and rock-solid security in a compact powerhouse.

The Thinvent® Aero Mini PC

Experience the future of embedded computing with the Thinvent® Aero Mini PC. Engineered for relentless performance and unwavering reliability, this compact device delivers a sophisticated computing solution for demanding environments.

Unmatched Performance and Efficiency

At its core, the Intel® Core™ i5-1250P processor provides a formidable 12 cores, boosting speeds up to 4.4 GHz with a substantial 12 MB cache. This ensures seamless multitasking and lightning-fast application response. Coupled with 8GB DDR4 RAM and a rapid 32GB MLC SSD, the Aero Mini PC offers exceptional speed and efficiency for your critical operations.

Secure and Versatile Thinux™ OS

Powered by Thinvent® Thinux™ Embedded Linux, this system prioritizes security and specialized functionality. Enjoy full remote access capabilities with RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and VNC shadowing, all managed effortlessly through a browser. Thinux™ also supports essential productivity with LibreOffice and a PDF viewer, robust web browsing via Chromium and Mozilla Firefox, multimedia playback, and SIP video/voice over IP. Develop custom solutions with Java, Python, and glibc based application support.

Robust Connectivity and Design

Connect with confidence using Gigabit Ethernet, two USB 3.2 ports, six USB 2.0 ports (four front-facing), and a convenient front USB-C port. Dual display outputs (HDMI, VGA) offer versatile visual setups. Housed in durable, powder-coated steel and ABS plastic, its sleek black finish and compact 198mm × 187mm × 40mm dimensions ensure a professional fit anywhere. Certified by BIS, RoHS, and ISO, the Aero Mini PC is built for enduring quality.

Discover the Thinvent® Aero Mini PC – your powerful, secure, and compact solution for specialized computing needs.



Thinvent Aero Mini PC



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 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

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	1.71kg, 1.71kg

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-i5_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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