



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinux Embedded Linux

SKU: AERO-I5_14-16-M512-12_5-M-
THINUX-0



Unleash Mighty Performance in a Miniature Marvel.

Introduction

Experience the future of compact computing with the Thinvent® Aero Mini PC. Engineered for unparalleled power and efficiency, this powerhouse redefines what's possible in a small form factor, perfect for demanding environments.

Unrivalled Performance

Driven by the Intel® Core™ 5 120U processor (10 cores, up to 5.0 GHz, 12 MB cache), the Aero Mini PC tackles intensive tasks effortlessly. Coupled with a massive 64GB DDR4 RAM and a lightning-fast 512GB SSD, it delivers blazing-fast boot times, seamless multitasking, and rapid application loading.

Seamless Connectivity and Versatility

Stay connected with dual-band Wi-Fi 5 (802.11ac) and Gigabit Ethernet.

- Dual HDMI and a VGA port support multiple display setups.
- A comprehensive array of USB ports, including 2x USB 3.0, 6x USB 2.0 (4 front), and a front USB-C, ensures all your peripherals are accommodated.
- Dedicated speaker out, mic in, and front audio jacks provide complete audio control.

Secure and Smart Thinux™ Operating System

Powered by Thinvent® Thinux™ Embedded Linux, this Mini PC offers a secure, stable, and highly efficient computing experience.

- Enjoy pre-installed Chromium and Mozilla Firefox.
- Advanced remote management with RDP 10, Putty, SSH, and VNC shadowing.
- Built-in support for Java, Python, and glibc applications.
- Productivity tools like LibreOffice and a PDF viewer.
- Multimedia playback with MPEG4 and SIP video/voice over IP.

Robust Design and Reliability

Crafted with durable steel and ABS plastic, finished in sleek black powder coat, the Aero Mini PC is built to last.

- Compact at 198mm × 187mm × 40mm, ideal for space-constrained setups.
- Certified with BIS, RoHS, and ISO for quality and compliance.
- Operates reliably from 0°C to 35°C, with an efficient 12V 7A power adapter for flexible deployment.





Thinvent Aero Mini PC



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	16 GB
SSD Storage	512 GB

DISPLAY

HDMI	2
VGA	1

AUDIO

Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

CONNECTIVITY

USB 3.0	2
USB 2.0	2
Front USB 2.0	4
Front USB C	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	1.23kg, 1.23kg

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_14-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]

RAM	4 = 4GB DDR4 64 = 64GB DDR4	8 = 8GB DDR4	16 = 16GB DDR4	32 = 32GB DDR4
SSD	m128 = 128GB m32 = 32GB m1024 = 1TB S128 = 128GB	m256 = 256GB m512 = 512GB S32 = 32GB MLC S256 = 256GB		
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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