



Thinvent Aero Mini PC

Intel Core 5 120U processor

10 core, up to 5.0 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

No WiFi

Thinux Embedded Linux

SKU: AERO-I5_14-4-M512-12_5-X-THINUX-0



Experience Mighty Performance in a Mini Package: The Thinvent® Aero!

The Thinvent® Aero Mini PC redefines compact computing, delivering robust power and enterprise-grade security for your most demanding tasks. Engineered for efficiency and reliability, this mini marvel is your ideal partner for secure, high-performance environments.

Performance

At its heart, an Intel® Core™ 5 120U processor with 10 cores rockets up to 5.0 GHz, backed by a generous 12 MB cache. This formidable power ensures seamless multitasking, rapid application execution, and smooth operation. Paired with 16GB DDR4 RAM and a lightning-fast 1TB SSD, the Aero guarantees quick boot-ups and instantaneous data access, letting you focus on productivity.

Connectivity and Durability

Despite its ultra-compact 198mm x 187mm x 40mm frame, the Aero offers extensive connectivity.

- Dual HDMI and a VGA port support diverse display setups.
- A Gigabit Ethernet port ensures secure, high-speed wired networking, critical for environments where wireless connectivity is prohibited for security.

- Multiple USB 3.0 and USB 2.0 ports, plus a front USB-C, provide versatile peripheral connections.

Crafted from durable steel and ABS plastic with a powder-coated finish, its black housing is built to last.

Thinux™ Embedded Linux Advantage

Powered by the secure Thinvent® Thinux™ Embedded Linux, the Aero delivers an optimized, stable, and highly manageable computing experience.

- Access the web securely with Chromium and Mozilla Firefox.
- Benefit from robust remote management via RDP 10 (RemoteFX, H.264/AVC), Putty, SSH, and browser-based interfaces.
- VNC shadowing enhances collaborative work.
- Support for Java, Python, glibc applications, LibreOffice, PDF viewing, and multimedia playback with MPEG4 support ensures broad utility.
- Integrated SIP video and voice over IP capabilities streamline communication.

Certified for quality and environmental responsibility (BIS, RoHS, ISO), the Thinvent® Aero Mini PC is the ultimate solution for secure, powerful, and space-saving computing.



Specifications

PROCESSING

Generation	14th
Series	i5
Processor Brand	Intel
Processor Model	120U
Cores	10
Max Frequency	5 GHz
Cache	12 MB
Main Memory	4 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
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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	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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