



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

16GB DDR4 RAM

512GB SSD

Dual Band WiFi

Thinix Embedded Linux

SKU: AERO-I5_12-16-M512-12_5-M-THINUX-0



Unleash Compact Power: Experience Seamless Performance.

Introducing the Thinvent® Aero Mini PC: A powerful, ultra-compact solution engineered for peak performance in any workspace. Despite its diminutive size, this mini PC packs a serious punch, making it ideal for everything from demanding business applications to advanced thin client deployments.

Key Performance Features

- Intel® Core™ i5-1250P processor with 12 cores, boosting up to 4.4 GHz and 12 MB cache, delivering exceptional speed and multitasking capabilities.
- 16GB DDR4 RAM for smooth operation, even with multiple applications running simultaneously.
- Lightning-fast 256GB SSD ensures rapid boot times and quick application loading.

Thinvent® Thinix™ Embedded Linux

Experience a robust and secure operating environment specifically designed for efficiency and control.

- Access the web with Chromium and Mozilla Firefox browsers.

- Seamless remote access via RDP 10 (RemoteFX, H.264/AVC), Putty, and SSH.
- Centralized management through browser-based remote tools and VNC shadowing.
- Support for Java, Python, and glibc based location applications.
- Boost productivity with LibreOffice and a built-in PDF viewer.
- Multimedia player with MPEG4 support and integrated SIP video/voice over IP for modern communication.

Connectivity and Build

Stay connected with dual-band Wi-Fi 5 (802.11ac) and a rapid 1000 Mbps Ethernet port. A versatile array of ports includes 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C, HDMI, and VGA for diverse display and peripheral needs. Encased in durable, powder-coated steel and ABS plastic, its sleek black finish and compact dimensions (198mm x 187mm x 40mm) ensure it fits perfectly into any environment while meeting BIS, RoHS, and ISO certifications.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	16 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
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	1.62kg, 1.62kg

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 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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