



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

4GB DDR4 RAM

512GB SSD

Dual Band WiFi

DOS

SKU: AERO-I5_12-4-M512-12_5-M-DOS-0



Unleash Mighty Performance in a Micro Footprint.

Experience revolutionary power with the Thinvent® Aero Mini PC. Engineered for demanding tasks, this compact powerhouse features the Intel® Core™ i5-1250P processor, boasting 12 cores and speeds up to 4.4 GHz with 12 MB cache, ensuring seamless multitasking and rapid processing. Effortlessly handle your workflow with 16GB DDR4 RAM and enjoy lightning-fast boot times and application launches thanks to the 512GB SSD storage.

Connectivity & Versatility

Stay connected with dual-band Wi-Fi 5 (802.11ac) for reliable wireless access or leverage gigabit speeds with 1000 Mbps Ethernet. Drive dual displays with HDMI and VGA ports for enhanced productivity. A comprehensive suite of 9 USB ports, including high-speed USB 3.2, USB 2.0, and a front USB C, ensures all your peripherals are covered. Integrated speaker out and mic in ports (front and rear) complete your audio setup.

Compact & Robust Design

Measuring just 198mm x 187mm x 40mm, the Aero Mini PC saves valuable desk space without compromising on durability, thanks to its black powder-coated steel and ABS plastic housing. Operating on a flexible 100~275 Volts AC power input and certified by BIS, RoHS, and ISO, it guarantees reliability and quality. Pre-installed with FreeDOS, it offers you the freedom to choose your preferred operating system.

Key Technical Specifications

- Processor: Intel Core i5-1250P (12 Core, up to 4.4 GHz, 12 MB cache)
- Main Memory: 16GB DDR4 RAM
- SSD Storage: 512GB
- Video Outputs: 1 HDMI, 1 VGA
- Audio Ports: Speaker Out, Mic In, Front Speaker Out, Front Mic In
- USB Ports: 2x USB 3.2, 2x USB 2.0, 4x Front USB 2.0, 1x Front USB C
- Networking: Wi-Fi 5 (802.11ac, dual band), 1000 Mbps Ethernet
- Power Adapter: 12V 7A (2 Metre cable), supports 100~275V AC (50~60 Hz, 1.5A max)
- Operating Environment: 0°C ~ 35°C, 20% ~ 80% RH (non-condensing)
- Certifications: BIS, RoHS, ISO
- Dimensions: 198mm x 187mm x 40mm
- Housing: Steel and ABS Plastic, Powder Coated Black
- Operating System: FreeDOS





Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	4 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	FreeDOS
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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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