



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

Thinvent Keyboard and Mouse set

SKU: AERO-I5_12-32_32-M1024-12_5-M-11V-KM



Unleash Mighty Performance in a Mini Footprint.

Introducing the Thinvent® Aero Mini PC, a powerhouse engineered for peak efficiency and uncompromising performance in an ultra-compact design. Experience desktop-grade computing without the bulk, perfect for any professional environment or dedicated application.

Unrivalled Performance

- At its heart lies the Intel® Core™ i5-1250P processor, featuring 12 cores, speeds up to 4.4 GHz, and a substantial 12 MB cache for seamless multitasking and demanding workloads.
- With 16GB DDR4 RAM, enjoy lightning-fast responsiveness and effortlessly run multiple applications simultaneously.
- A rapid 512GB SSD ensures instant boot-ups and quick access to all your critical data.

Exceptional Connectivity

- Stay connected with an extensive array of ports, including 2 USB 3.2, 2 USB 2.0, 4 front USB 2.0, and a versatile front USB C.

- Dual display support is provided via HDMI and VGA, while dedicated speaker out and mic in jacks, plus front audio ports, offer clear audio versatility.
- Benefit from gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac) for robust, high-speed network access.

Optimized Experience

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, this system offers enhanced security, stability, and long-term support, ideal for specialized applications.
- Its sleek, powder-coated black steel and ABS housing measures just 198mm x 187mm x 40mm, fitting discreetly into any workspace.
- Ready to go right out of the box with the included Thinvent® Keyboard and Mouse set.

Built for Reliability

- Certified with BIS, RoHS, and ISO standards, ensuring quality and environmental compliance.
- Operates efficiently from 0°C to 35°C, powered by a dependable 12V 7A adapter with a 2-meter cable for flexible placement.



Specifications

PROCESSING

Generation	12th
Series	i5
Processor Brand	Intel
Processor Model	1240P
Cores	12
Max Frequency	4.4 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	1024 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	2.14kg, 2.14kg

ACCESSORIES

Keyboard and Mouse	1
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OPERATING SYSTEM

Operating System	Microsoft Windows 11 IoT Enterprise LTSC 2024 Value
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Ordering Information

PRODUCT CODE

Aero-i5_12-[RAM]-[SSD]-12_10-[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

m512 = 512GB

S32 = 32GB MLC

S256 = 256GB

m256 = 256GB

m1024 = 1TB

S128 = 128GB

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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