



Thinvent Aero Mini PC

Intel Core i5-1240P processor

12 core, up to 4.4 GHz, 12 MB cache

Dual LAN

16GB DDR4 RAM

128GB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: AERO-I5_12L-16-S128-12_7-M-11V-0



Unleash a New Era of Compact Power.

Engineered for demanding industrial environments, the Thinvent Aero Mini PC is your steadfast partner for reliability and performance. It delivers robust, fanless operation that thrives where others falter, ensuring your critical applications run seamlessly day in and day out.

Key Benefits for Your Business

- Conquer any environment with silent, fanless reliability that eliminates dust ingress and mechanical failure.
- Accelerate productivity with smooth, responsive multitasking to handle complex digital signage, kiosk interfaces, and automation software.

- Future-proof your operations with versatile connectivity for a wide array of peripherals and network configurations.
- Simplify deployment and management in secure, always-on applications with a trusted, stable Windows IoT platform.
- Maximise uptime with a rugged, compact design built to withstand the rigours of 24/7 industrial use.

Your Compact Command Centre

Ideal for powering digital signage in retail, interactive kiosks, thin client solutions, and industrial automation control panels. It's the robust, dependable heart for systems that simply cannot afford to fail. Choose the Aero Mini PC for where relentless performance meets unwavering durability.



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	128 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
Front USB 2.0	4
Front USB C	1

NETWORKING

Ethernet	1000 Mbps
Ethernet Ports	2
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

POWER

DC Voltage	12 Volts
DC Current	7 Amps
Power Input	100~275 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	1.71kg, 1.71kg

OPERATING SYSTEM

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

PRODUCT CODE	
Aero-i5_12l-[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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