



Thinvent Aero Mini PC

Intel Core i3-1215U processor

6 core, up to 4.4 GHz, 10 MB cache

64GB DDR4 RAM (2 x 32GB)

1TB SSD

Dual Band WiFi

Windows 11 IoT Value

SKU: AERO-I3_12-32_32-M1024-12_5-M-11V-0



Unleash compact power with the Thinvent® Aero Mini PC.

Experience unparalleled performance in a miniature footprint. The Thinvent® Aero Mini PC redefines efficiency, packing a punch for demanding tasks, digital signage, kiosks, and specialized embedded applications.

Powerful Performance at Your Fingertips

- Driven by the Intel® Core™ i3-1215U processor with 6 cores and up to 4.4 GHz, effortlessly tackle multitasking and complex workflows.
- A massive 64GB DDR4 RAM ensures lightning-fast responsiveness, even with numerous applications running simultaneously.
- Boot up in seconds and access data instantly with the rapid 128GB SSD storage.

Seamless Connectivity & Versatility

- Connect dual displays with both HDMI and VGA outputs for extended workspaces.
- Extensive peripheral support includes 2x USB 3.2, 2x USB 2.0, 4x front USB 2.0, and 1x front USB C ports.
- Stay connected with reliable Gigabit Ethernet and dual-band Wi-Fi 5 (802.11ac).

- Comprehensive audio options, including front and rear speaker/mic ports, provide flexible sound solutions.

Designed for Durability and Efficiency

- Its ultra-compact 198mm x 187mm x 40mm steel and ABS plastic housing is powder-coated black, built to last in professional environments.
- Operates reliably in temperatures from 0°C to 35°C, ensuring stability in various settings.
- The energy-efficient 12V 7A adapter with wide 100~275V AC input offers operational flexibility and reduced energy consumption.

Optimized Operating System

- Pre-installed with Microsoft Windows 11 IoT Enterprise LTSC 2024 Value, providing a secure, stable, and long-term support solution ideal for dedicated business applications.

The Thinvent® Aero Mini PC is the ultimate compact powerhouse, delivering robust performance, versatile connectivity, and unwavering reliability for your professional needs.



Specifications

PROCESSING

Generation	12th
Series	i3
Processor Brand	Intel
Processor Model	1215U
Cores	6
Max Frequency	4.4 GHz
Cache	10 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
RS485 Option	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	1.59kg, 1.59kg

OPERATING SYSTEM

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

PRODUCT CODE	
Aero-i3_12-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]	
RAM	<div style="display: flex; justify-content: space-between;"> <div style="width: 22%;"> <p>4 = 4GB DDR4</p> <p>32_32 = 64GB DDR4 RAM (2 x 32GB)</p> </div> <div style="width: 22%;"> <p>8 = 8GB DDR4</p> <p>16_16 = 32GB DDR4 RAM (2 x 16GB)</p> </div> <div style="width: 22%;"> <p>16 = 16GB DDR4</p> <p>8_8 = 16GB DDR4 RAM (2 x 8GB)</p> </div> <div style="width: 22%;"> <p>32 = 32GB DDR4</p> </div> </div>
SSD	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>m128 = 128GB</p> <p>m512 = 512GB</p> <p>S32 = 32GB MLC</p> <p>S256 = 256GB</p> </div> <div style="width: 48%;"> <p>m256 = 256GB</p> <p>m1024 = 1TB</p> <p>S128 = 128GB</p> </div> </div>
Wireless	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>m = Dual Band WiFi</p> </div> <div style="width: 48%;"> <p>X = No WiFi</p> </div> </div>
OS	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>DOS = DOS</p> <p>11V = Windows 11 IoT Value</p> <p>Thinix = Thinix™ Embedded Linux</p> </div> <div style="width: 48%;"> <p>W_OS = Without OS</p> <p>11P = Windows 11 Pro</p> <p>U = Ubuntu Linux</p> </div> </div>
Accessories	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>0 = None</p> <p>MK = Mechanical Keyboard</p> </div> <div style="width: 48%;"> <p>KM = Keyboard and Mouse set</p> <p>Mo = Wired Optical Scroll Mouse</p> </div> </div>

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