



# Thinvent Aero Mini PC

## Intel Core i7-1255U processor

10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 64GB DDR4 RAM (2 x 32GB)

## 1TB SSD

## No WiFi

## Windows 11 IoT Value

SKU: AERO-I7\_12L-32\_32-M1024-12\_5-X-11V-0



Unleash industrial performance, condensed.

### The Engine for Your Digital Operations

In demanding environments where space is limited but reliability is non-negotiable, the Thinvent Aero Mini PC delivers. This compact powerhouse is engineered to drive your critical processes without compromise, from production line monitoring to digital signage and kiosk management. Its robust construction ensures steadfast operation day in, day out.

### Why This Mini PC Belongs in Your Business

- Experience seamless multitasking and rapid data processing for smooth, uninterrupted operations.

- Connect directly and reliably with dual LAN ports, ideal for networked equipment and secure data transfer.
- Deploy a dedicated, stable Windows IoT platform tailored for long-term service applications.
- Save valuable space with a rugged, miniaturised footprint that fits effortlessly into any setup.
- Benefit from a device built for longevity with industrial-grade components and certifications.

Stop compromising on performance for size. Choose the Thinvent Aero Mini PC for robust, dependable computing that keeps your essential applications running powerfully in the background.



## Specifications

### PROCESSING

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Generation	12th
Series	i7
Processor Brand	Intel
Processor Model	1255U
Cores	10
Max Frequency	4.7 GHz
Cache	12 MB
Main Memory	64 GB
SSD Storage	1024 GB

### DISPLAY

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HDMI	1
VGA	1

### AUDIO

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Speaker Out	1
Mic In	1
Front Speaker Out	1
Front Mic In	1

### CONNECTIVITY

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USB 3.2	2
Front USB 2.0	4
Front USB C	1
RS485 Option	1

### NETWORKING

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Ethernet	1000 Mbps
Ethernet Ports	2

### POWER

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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

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Operating Temperature	0°C ~ 35°C
Operating Humidity	20% ~ 80% RH, non condensing
Certifications	BIS, RoHS, ISO

### PHYSICAL

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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

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

### PRODUCT CODE

**Aero-i7\_12l-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]**

<b>RAM</b>	<b>4</b> = 4GB DDR4 <b>32_32</b> = 64GB DDR4 RAM (2 x 32GB)	<b>8</b> = 8GB DDR4 <b>16_16</b> = 32GB DDR4 RAM (2 x 16GB)	<b>16</b> = 16GB DDR4 <b>8_8</b> = 16GB DDR4 RAM (2 x 8GB)	<b>32</b> = 32GB DDR4
<b>SSD</b>	<b>m128</b> = 128GB <b>m512</b> = 512GB <b>S32</b> = 32GB MLC <b>S256</b> = 256GB	<b>m256</b> = 256GB <b>m1024</b> = 1TB <b>S128</b> = 128GB		
<b>Wireless</b>	<b>m</b> = Dual Band WiFi		<b>X</b> = No WiFi	
<b>OS</b>	<b>DOS</b> = DOS <b>11V</b> = Windows 11 IoT Value <b>Thinix</b> = Thinix™ Embedded Linux	<b>w_OS</b> = Without OS <b>11P</b> = Windows 11 Pro <b>U</b> = Ubuntu Linux		
<b>Accessories</b>	<b>0</b> = None <b>MK</b> = Mechanical Keyboard	<b>KM</b> = Keyboard and Mouse set <b>Mo</b> = Wired Optical Scroll Mouse		

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