

- Intel Core i7-1255U processor**  
10 core, up to 4.7 GHz, 12 MB cache
- Dual LAN**
- 64GB DDR4 RAM**
- 32GB MLC SSD**
- Dual Band WiFi**
- DOS**

SKU: AERO-I7\_12L-64-S32-12\_5-M-DOS-0



Unleash big performance from an incredibly small footprint.

### Engineered for Demanding Environments

The Thinvent® Aero Mini PC delivers robust, industrial-grade computing power in a compact and resilient chassis. It's built to thrive where standard office PCs would falter, offering reliable operation for critical tasks.

### Perfect for Space-Constrained Installations

- Deploys powerful processing seamlessly into digital signage, interactive kiosks, or control panels.
- Acts as a dependable hub for network management, surveillance systems, or in-vehicle computing.

- Its versatile connectivity and dual LAN ports ensure it integrates smoothly into complex setups.

### Built to Last, Designed to Perform

Housed in a rugged, powder-coated casing, the Aero resists the rigours of daily industrial use. It provides a cool, quiet, and steadfast computing core that you can install and forget, focusing entirely on your operation.

Choose the Thinvent® Aero Mini PC: Where formidable Intel® power meets rugged, miniaturised design for uncompromising reliability.



## 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	32 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
Wireless Networking	Wi-Fi 5 (802.11ac), dual band

### 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	FreeDOS
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## Ordering Information

PRODUCT CODE				
<b>Aero-i7_12l-[RAM]-[SSD]-12_7-[Wireless]-[OS]-[Accessories]</b>				
RAM	<b>4</b> = 4GB DDR4	<b>8</b> = 8GB DDR4	<b>16</b> = 16GB DDR4	<b>32</b> = 32GB DDR4
	<b>64</b> = 64GB DDR4			
SSD	<b>m128</b> = 128GB		<b>m256</b> = 256GB	
	<b>m32</b> = 32GB		<b>m512</b> = 512GB	
	<b>m1024</b> = 1TB		<b>S32</b> = 32GB MLC	
	<b>S128</b> = 128GB		<b>S256</b> = 256GB	
Wireless	<b>m</b> = Dual Band WiFi		<b>X</b> = No WiFi	
OS	<b>DOS</b> = DOS		<b>W_OS</b> = Without OS	
	<b>11V</b> = Windows 11 IoT Value		<b>11P</b> = Windows 11 Pro	
	<b>Thinix</b> = Thinix™ Embedded Linux		<b>U</b> = Ubuntu Linux	
Accessories	<b>0</b> = None		<b>KM</b> = Keyboard and Mouse set	
	<b>MK</b> = Mechanical Keyboard		<b>Mo</b> = Wired Optical Scroll Mouse	

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