# Thinvent Aero Mini PC

## Intel Core i7-1255U processor

### 10 core, up to 4.7 GHz, 12 MB cache

## Dual LAN

## 32GB DDR4 RAM (2 x 16GB)

## 128GB SSD

## No WiFi

## DOS

SKU: AERO-I7_12L-16_16-M128-12_5-X-DOS-0

Unleash powerful performance in a compact, industrial-grade chassis.

**Engineered for demanding environments**

Our Thinvent Aero Mini PC is built to deliver reliable, high-speed computing where it matters most. Its robust, fanless steel construction ensures silent, dependable operation in spaces where traditional PCs would falter. This isn't just a computer; it's a resilient workhorse for your core operations.

**Perfect for critical connectivity and control**

- Drive digital signage and information kiosks with flawless, uninterrupted visuals.
- Act as the central nervous system for automation, PLC control, and machine vision systems.
- Manage network appliances, firewalls, or thin client setups with the stability of dual Gigabit Ethernet.
- Process data and run specialised applications in retail, manufacturing, and logistics hubs.

Why choose the Aero Mini PC?

It provides serious processing muscle in a rugged, space-saving design. Free from the vulnerabilities of consumer-grade components, it offers steadfast reliability for 24/7 operation. With extensive legacy and modern I/O ports, it integrates seamlessly into existing infrastructure. Choose the Aero for a robust computing solution that focuses purely on performance and endurance.

# Thinvent Aero Mini PC

## Specifications

### PROCESSING

| | |
|---|---|
| Generation | 12th |
| Series | i7 |
| Processor Brand | Intel |
| Processor Model | 1255U |
| Cores | 10 |
| Max Frequency | 4.7 GHz |
| Cache | 12 MB |
| Main Memory | 32 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 |
| RS485 Option | 1 |

### NETWORKING

| | |
|---|---|
| Ethernet | 1000 Mbps |
| Ethernet Ports | 2 |

### 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 | 1.62kg, 1.62kg |

### OPERATING SYSTEM

| | |
|---|---|
| Operating System | FreeDOS |

# Thinvent Aero Mini PC

## Ordering Information

PRODUCT CODE

`Aero-i7_12l-[RAM]-[SSD]-12_7-[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 | | **m256** = 256GB | |
| | **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 | |
| | **Thinux** = Thinux™ 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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