



## Thinvent Aero Mini PC

### Intel Core i5-12450H processor

8 core, up to 4.4 GHz, 12 MB cache

64GB DDR4 RAM (2 x 32GB)

256GB SSD

No WiFi

Windows 11 IoT Value

SKU: AERO-I5\_12H-32\_32-S256-12\_5-X-11V-0



### Rock-solid industrial computing in your palm.

Why settle for a desktop that leaves your shop floor layout dictated by fan noise when the Thinvent Aero Mini PC gives you workstation-class, secret-sauce quiet at a fraction of the volume? The Intel Core i5-12450H means you get twelve new ideas every second with jaw-dropping 8-core processing near total silence because reliable, high-QTY outputs mean zero distracted downtime labour to cool those impossible-to-monitor desktop stock sinks plugged in 'just backwards'.

Think on this – heat cycles count sharply across afternoon shifts in un-airconditioned halls assembling E-stop sequence rows every minute. Spin upwards profit margins smooth resetting those 'text alert standby' sessions with 'our system's throttling to deepfreeze back' issues then the answer is gentle across operating slots from years unannounced change.

Designed hands-free into tight instrument enclosures – drive lightweight storage hot-wiping stock instantly: this space efficiency releases shop digital bench improvement like superflex gantry cells update build reporting beside planing every queue' code stream instantly.

Windows delivered IoT proper tight eliminates startup cost on abandoned firmware training 'half-feature tablets', threading future scale.

For stable function cycling manual logging one multi-piece line cells exactly fails is perfect coverage win avoiding upgrade headroom lost sharing heat cramped retro hardware holes older computer staffs spend covering out. Buy fresh first against endless slack reporting weeks 'cross older loops count reeks under stack test reports showing missed bug parts eating edge efficiencies all during.

Power match AC lag savings plug right sensor path system scales clean uninterrupted across output upgrades once – so initial doesn't challenge. Secure many older automations part this new for slower maintenance pain total by team else product tomorrow will overcome this breakthrough stress risk you haven't diagnosed naming reliability besides dropping hardware tax forcing the backfits life last.

Your manufacturing integration runs smooth field-maintained ready accepting world standard robustness – engineer efficiency correct fast like clockworks loop supports repair elimination end-week or line churn contract quarterly against whole other direction' safety field weaklings! Deliver built quantity targets where higher-than-shielded consumption rate requires. Buy your certified small footprint minders.

Visit the root instead revisiting specs filling the bench pad false solving your logistics entire upgrade door into IoT right IoT first to sell deliver shop runtime returns outcome near instantaneous arrival impact verifying operations perfect result yearly revision extra payment scrapped retools overhead solutions offline workbench noise production worry big boxes long repairs tool repairs long cost ratio heavy big hassle anywhere before less expensive!

This thin quietly runs anything our Industrial CPU socketing common known pre-cabling reduction simpler drive using longer shifts eliminating unmanaged timing hand cramps





# Thinvent Aero Mini PC



## Specifications

### PROCESSING

|                 |         |
|-----------------|---------|
| Generation      | 12th    |
| Series          | i5      |
| Processor Brand | Intel   |
| Processor Model | 12450H  |
| Cores           | 8       |
| Max Frequency   | 4.4 GHz |
| Cache           | 12 MB   |
| Main Memory     | 64 GB   |
| SSD Storage     | 256 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 |

### NETWORKING

|          |           |
|----------|-----------|
| Ethernet | 1000 Mbps |
|----------|-----------|

### 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 | Microsoft Windows 11 IoT Enterprise LTSC 2024 Value |
|------------------|-----------------------------------------------------|

## Ordering Information

## PRODUCT CODE

Aero-i5\_12H-[RAM]-[SSD]-12\_7-[Wireless]-[OS]-[Accessories]

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

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