



# Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org/certification/programs](http://www.wi-fi.org/certification/programs)

**Certification ID: WFA134346**

## Product Info

<b>Date of Certification</b>	January 23, 2025
<b>Company</b>	Sinope Technologies
<b>Product Name</b>	Smart HVAC Thermostat
<b>Product Model Variant</b>	The product uses the original certified Wifi module chipset. No changes changes where made too the hardware and firmware
<b>Model Number</b>	TH6250WF
<b>Category</b>	Smart Home
<b>Sub-category</b>	Thermostat

## Summary of Certifications

CLASSIFICATION	CERTIFICATION
<b>Connectivity</b>	2.4 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n
<b>Optimization</b>	WMM® Wi-Fi Agile Multiband™
<b>Security</b>	Protected Management Frames WPA2™-Enterprise 2018-04 WPA2™-Personal 2021-01 WPA3™-Enterprise 2022-12 WPA3™-Personal 2022-06



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Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

FreeRTOS

### Wi-Fi Component Firmware

V7.6

### RF Architecture

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	1	1

## Certifications

### 2.4 GHz Spectrum Capabilities

- 20 MHz Channel Width in 2.4 GHz
- 40 MHz Channel Width in 2.4 GHz

### Wi-Fi Agile Multiband™

- Beacon Report Measurement Active Mode
- Beacon Report Measurement Passive Mode

### Protected Management Frames

#### WMM®

### WPA2™-Enterprise 2018-04

- EAP methods
  - EAP TLS
  - EAP TTLS
  - PEAPv0

### WPA2™-Personal 2021-01

### WPA3™-Enterprise 2022-12

- EAP methods
  - EAP TLS
  - EAP TTLS
  - PEAPv0
- Server Certificate Validation

### WPA3™-Personal 2022-06

### Wi-Fi CERTIFIED 6®

- A-MPDU with A-MSDU
- Beamforming sounding
- BSRP Trigger frame
- Individual Target Wake Time
- MU EDCA Parameter Set element
- MU-BAR Trigger frame
- MU-RTS Trigger frame
- Operating mode control field
- Operating mode indication
- SU beamformee
- UL OFDMA

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

- A-MPDU Tx
- Short Guard Interval



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Wi-Fi CERTIFIED™ n (continued)

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