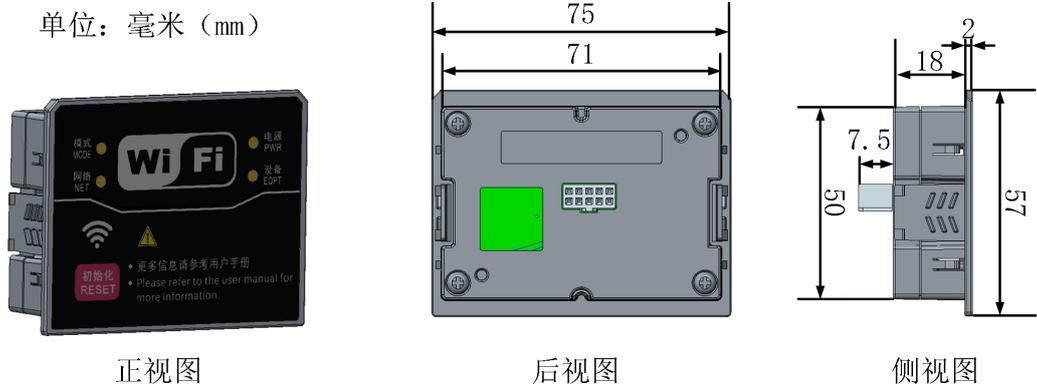


EM730 Wi-Fi module

1. Product appearance(Front view, back view, top view) and dimensions (Unit: mm)



2. Function

The EM730 Wi-Fi module independently developed by SINEE is an optional accessory of SINEE EM730 VFD. Users can use this accessory and SINEE APP software to achieve Wi-Fi-based access to the VFD using a traditional PC or smart phone (Android system) with a wireless network card, as well as the VFD rapid debugging parameter setting, inching start, stop and other operations.

3. Technical Specifications

Wireless technology and operating frequency: Wi-Fi 2400~2483.5MHz

Wireless modulation technique: 802.11b/g/n

Limit operating temperature range: -20°C~70°C

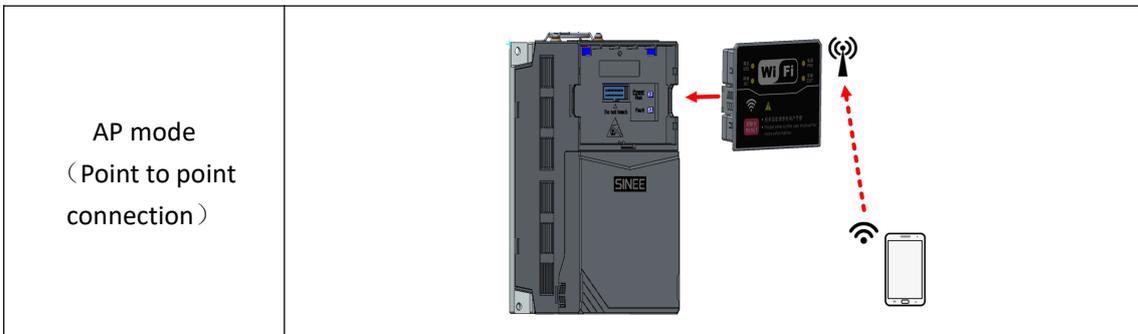
4. Product features

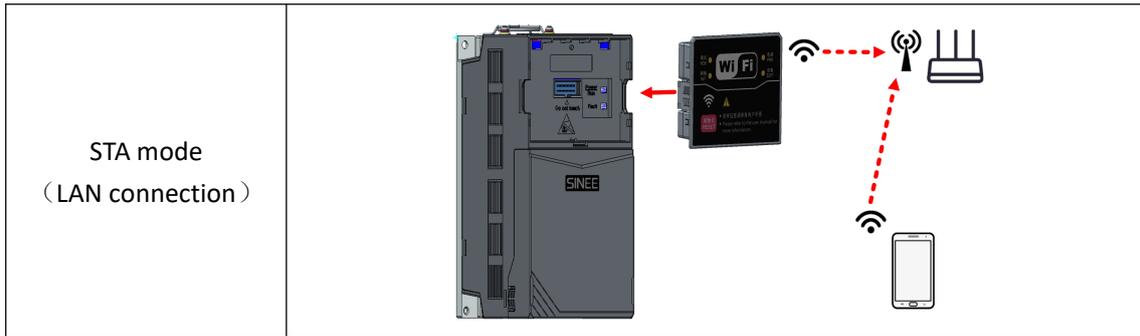
Supports AP and STA working modes.

5. Operating mode

AP: The hotspot mode is enabled on the Wi-Fi module. The hotspot mode is AP mode by default when the host computer connects to the Wi-Fi module

STA: The WiFi module and the host computer are connected to the same network, configure the Wi-Fi module in AP mode.





6. Status of LED

LED indicator	Light off	Light blink	Light on
PWR	The module is not powered on	— —	The module is powered on
EQPT	The communication between the module and the VFD is abnormal	— —	Communication between module and VFD is normal
MODE	software exception	AP mode	STA mode
(AP)	No machine connection	Data is being exchanged	No machine connection
(STA)	Not connected the router	Data is being exchanged	Connected the router

7. Procedure for first wireless network connection

- 1). Install the module to the VFD. After the VFD is powered on, the power indicator is steady on (the module is powered on), the device indicator is steady on (the communication with the VFD is normal), and the mode indicator is blinking (AP mode).
- 2). Enable the Wi-Fi interface of the PC or mobile device (Android system). Search for the wireless network SSID of EM730 Wi-Fi module: sinee-xxxxxx (XXXXXX is the last six characters of the MAC address of Wi-Fi module), such as Sinee-01c3A1.
- 3). Enter the wireless network password (default password: 12345678) to start the connection. After the connection is successful, the network indicator is steady on (the host computer is connected).
- 4). Open the upper computer software /APP for control.

8. User-defined Wi-Fi module parameters

After the host computer is successfully connected, you can use the system setting function of the host computer software to configure the parameters of the Wi-Fi module. After the working mode, network name, and password of the Wi-Fi module are changed in the connected state, the mode automatically restarts and the new network configuration takes effect. In this case, the host needs to reconnect to the network based on the modified parameters.

9. Change the working mode of the Wi-Fi module

In general, the working mode of the Wi-Fi module is switched after the upper computer is connected. In order to adapt to special occasions, the working mode of the Wi-Fi module can also be switched when the upper computer cannot be connected.

When the VFD is powered on, press the initialization button on the module to switch the working mode of the Wi-Fi module without modifying the Wi-Fi configuration.

Note:

If you want to perform LAN down control, but the Wi-Fi module fails to connect to the specified network after switching to STA mode due to incorrect parameter configuration, for example, the mode indicator of the Wi-Fi module is constant (STA mode) or the network indicator is off (no route is connected), you can press the initialization button.

If the Wi-Fi module configurations are not modified, switch the Wi-Fi module back to AP mode for point-to-point connection and set parameters again.

10. Initialize the Wi-Fi configuration

When the VFD is powered on, hold down the initialization /RESET button on the module to restore the configuration parameters of the Wi-Fi module to the factory default state. Factory configuration parameters are as follows:

Working mode: AP mode

Wi-Fi name: sinee-xxxxxx (XXXXXX is the last six characters of the Wi-Fi module MAC address)

The Wi-Fi password is 12345678